

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

001

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK

**DRILL****DEEPEN****PLUG BACK**

B. TYPE OF WELL

OIL



GAS



OTHER

SINGLE



ZONE

MULTIPLE ZONE



2. NAME OF OPERATOR

**McElvain Oil and Gas Properties, Inc.**

3. ADDRESS OF OPERATORS

**1050 17th Street, Suite 1800. Denver CO 80265**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement)

at surface **855' FNL & 703' FWL NWNW 647375X 39,779853**At proposed prod. Zone **same as above 4404531Y -109,279087**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

**66.05 miles south of Vernal Utah**

15. DISTANCE FROM PROPOSED LOC. TO NEAREST PROP. OR LEASE LINE, FT. (Also to nearest drlg. Unit line, if any)

**703'**

16. NO. OF ACRES IN LEASE

**624**

17. NO. OF ACRES ASSIGNED TO THIS WELL

**40**

16. DISTANCE FROM PROPOSED LOCATION \* TO NEAREST WELL, DRILLING COMPLETED.

OR APPLIED FOR, ON THIS LEASE, FT.

**na**

19. PROPOSED DEPTH

**4112'**

20. ROTARY OR CABLE TOOLS

**Rotary**

21. ELEVATION (SHOW WHETHER DF, RT, GR, etc.)

**6073.7' GR**

22. APPROX. DATE WORK WILL START

**May 15, 2005**

5. LEASE DESIGNATION AND SERIAL NO.

**UTU-73704**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**na**

7. UNIT AGREEMENT NAME

**na**

8. FARM OR LEASE NAME

**na**

9. WELL NO.

**Hanging Rock 18-4**

10. FIELD OR LEASE NAME

**Wildcat Undesignated**

11. Sec., T., R., M., OR BLK

AND SURVEY OR AREA

**Section 18, T12S, R24E**

12. COUNTY OR PARISH

**Uintah**

13. STATE

**Utah****PROPOSED CASING AND CEMENT PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>12 1/4"</b>	<b>9 5/8"</b>	<b>36#</b>	<b>300</b>	<b>160 sks</b>
<b>7 7/8"</b>	<b>4 1/2"</b>	<b>10.5#</b>	<b>TD</b>	<b>650 sks</b>

**Please find the attached 10 and 13 point plans and plat maps.  
The operator requests to drill the subject well.**

**William A Ryan  
290 S 800 E  
Vernal, UT 84078  
435-789-0968**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposed in to deepen or plug back, give data on proposed productive zone and proposed new productive zone. If proposal is to drill or deepen directional, give pertinent data on subsurface location and measure and true vertical depths. Give blowout preventer program, if any.

24

SIGNATURE

**William A. Ryan**

TITLE

**Agent**

DATE

**Oct. 26, 2004**

(This space for Federal or State Office use)

PERMIT NO.

**43-047-816111**

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

**BRADLEY G. HILL  
ENVIRONMENTAL SCIENTIST III**

DATE

**11-22-04****\*See Instructions on Reverse Side**

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Federal Approval of this  
Action is Necessary**

**RECEIVED****NOV 16 2004****DIV. OF OIL, GAS & MINING**

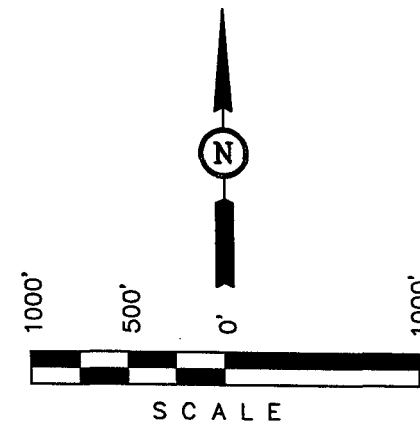
R 23  
E 24  
E 24  
T12S, R24E, S.L.B.&M.

MCELVAIN OIL & GAS PROP., INC.

Well location, HANGING ROCK #18-4, located as shown in the NW 1/4 NW 1/4 of Section 18, T12S, R24E, S.L.B.&M. Uintah County Utah.

### BASIS OF ELEVATION

BENCH MARK 87 EAM LOCATED NEAR A ROAD INTERSECTION IN THE SW 1/4 OF SECTION 1, T12S, R23E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5887 FEET.



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 6-9-04	DATE DRAWN: 6-18-04
PARTY D.A. T.A. C.G.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE MCELVAIN OIL & GAS PROP., INC.	

Set Marked Stone,  
Pile of Stones

S89°59'17"W - 2501.22' (Meas.)

S89°58'37"W - 2643.87' (Meas.)

Set Marked Stone

Set Stone

SE Cor. 12,  
1922 Brass  
1.0' High

855'

703'

HANGING ROCK #18-4

Lot 1

Elev. Ungraded Ground = 6075'

Lot 2

18

Set Marked Stone

Lot 3

Lot 4

### LINE TABLE

LINE	DIRECTION	LENGTH
L1	N00°23'44"E	532.25'

N89°56'E - 5153.94' (G.L.O.)

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)

LATITUDE = 39°46'47.41" (39.779836)

LONGITUDE = 109°16'47.25" (109.279792)

### LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

NORTH - 2640.00' (G.L.O.)

N00°03'W - 5280.00' (G.L.O.)

**SELF-CERTIFICATION STATEMENT**

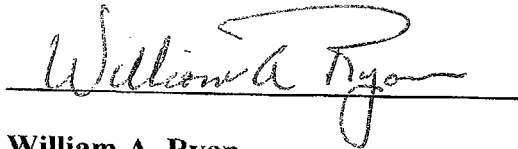
The following self-certification statement is provided per Federal requirements dated June 15, 1988.

Please be advised that McElvain Oil and Gas Prop., INC. are considered to be the operator of the following well.

Hanging Rock 18-4  
NW 1/4, NW 1/4, Section 18, T.12S, R. 24 E.  
Lease UTU-73704  
Uintah County, Utah

The McElvain Oil and Gas Prop., INC. is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond LMP-4138223 provides state-wide bond coverage on all Federal lands.



William A. Ryan  
Agent  
Rocky Mountain Consulting  
350 S. 800 E.  
Vernal UT 84078  
435-789-0968 Office  
435-828-0968 Cell  
435-789-0970 Fax  
rmcwar@hotmail.com

**Ten Point Plan**

McElvain Oil &amp; Gas Properties, Inc.

Hanging Rock Federal # 18-4

Surface Location NW ¼, NW ¼, Section 18, T12S, R24E  
 Uintah County, Utah

**1. Surface Formation**

Green River

**2. Estimated Formation Tops and Datum**

Ground Level Elevation: 6075' Estimated KB Elevation: 6087'

<u>Formation</u>	<u>Drill Depth</u>	<u>Datum</u>	<u>Type Zone</u>	<u>Max. Press in Section</u>
Green River	Surface	+6,087' KB		
Green River Oil Shale	362'	+5725'		
Uteland Butte Limestone	2,362'	+3,725'	Gas	1,150 psi
Wasatch	2,462'	+3,625'	Gas	1,750 psi
Mesaverde	4,062'	+2025'	Gas	1,850 psi
T.D.	4,112'	+1,975'		

**3. Producing Formation Depth**

Formation objectives include the Green River, Uteland Butte, Wasatch &amp; Mesaverde.

**4. Proposed Casing**

<u>Hole Size</u>	<u>Hole Interval</u>	<u>Csg Size</u>	<u>Setting Depth</u>	<u>Casing New/Used</u>
12 ¼	0'-320'	9 5/8	300'-320'	New
7 7/8	320'-TD	4 ½	T.D.	New

**Minimum Safety Factor**

<u>Csg Size</u>	<u>Csg Wt./Ft</u>	<u>Csg Grade</u>	<u>Csg Thread</u>	<u>Csg Collapse</u>	<u>Csg Burst</u>	<u>Csg Tensile</u>
9 5/8	32.3	H-40	ST&C 8rd	1,370 psi	2,270 psi	250,000#
4 ½	10.5	J-55	LT&C 8rd	4,010 psi	4,790 psi	146,000#

If conductor drive pipe is used, it will be left in place if its total length is less than 20 feet below the surface. If the total length of the drive pipe is equal to or greater than 20 feet, it will be pulled prior to cementing surface casing, or it will be cemented in place. The minimum diameter of the conductor drive pipe will be 13 3/8".

### Cement Program

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amount</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
9 5/8	Premium Plus 2% Calcium Chloride .25 lb/sk. Cello Flake	160 sks. +/-	1.18 cu. ft./sk.	15.6 lbs./gal.

*Guide Shoe, 1 jt, Baffle, 3 Centralizers, (Center 1<sup>st</sup> jt, top second jt, top third jt)*

4 1/2 Lead	(2000'-surface) Halliburton Hi Fill V cement	200 sks. +/-	3.85 cu. ft./sk.	11.0 lbs./gal.
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*Depending on actual drilling conditions, a Stage Tool may be utilized at  $\pm$  2,000', and the cement placed in two stages.*

4 1/2 Tail	(T.D.-2,000') Halliburton Premium AG cement	450 sks. +/-	1.52 cu. ft./sk.	14.2 lbs./gal.
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*Guide Shoe, 1 jt., Float Collar (possible use of StageTool @  $\pm$  2,000').  
Approximately 15 Centralizers (bottom 3 joints, 120' overlap across all potential pay zones, and on either side of a Stage Tool.*

### 5. BOP and Pressure Containment Data

The anticipated bottom hole pressure will be less than 2,000 psi.

A 2000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 9 5/8" surface casing. The BOP system including the casing will be pressure tested to the minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

## 6. Mud Program

<u>Interval</u>	<u>Mud weight lbs./gal.</u>	<u>Viscosity Sec./Qt.</u>	<u>Fluid Loss Ml/30 Min.</u>	<u>Mud Type</u>
0'-320'	Air/Water	---	No Control	
320'-1,950'	Water	---	No Control	Water/Gel
1,950'-T.D.	9.0-9.7	30	8-10	Water/Gel

## 7. Auxiliary Equipment

Upper Kelly Cock, full opening stabbing valve, 2" choke manifold and pit level indicators.

## 8. Testing, Coring, Sampling and Logging

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.
- c) Sampling: Every 30' from 1,950' to T.D.
- d) Logging:

Type	Interval
Array Induction-Gamma Ray-SP-Caliper	T.D. to Surf. Csg
High Resolution Spectral Density-PEF	T.D. to Surf. Csg
Compensated Neutron, Microlog	T.D. to Surf. Csg

## 9. Abnormalities (including sour gas)

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated. Other wells drilled in the area have not encountered over-pressured zones or H<sub>2</sub>S.

Operator requests a variance to regulations requiring a straight run blooie line (when possible, a straight run blooie line will be used).

Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line.

Operator requests a variance to regulations requiring the blooie line be 100' in length. To reduce location excavation, the blooie line will be 75' in length.

## 10. Drilling Schedule

The anticipated starting date is May 15, 2005. Duration of operations is expected to be 12 days.

**MCELVAIN OIL AND GAS PROPERTIES, INC**

**13 POINT SURFACE USE PLAN**

**FOR WELL**

**HANGING ROCK 18-4**

**LOCATED IN NW  $\frac{1}{4}$  NW  $\frac{1}{4}$**

**SECTION 18, T.12S, R24E, S.L.B.&M.**

**UINTAH COUNTY, UTAH**

**LEASE NUMBER: UTU-73704**

**SURFACE OWNERSHIP: FEDERAL**

1. Existing Roads:

To reach McElvain Oil and Gas Properties, INC well Hanging Rock 18-4 in Section 18, T12S, R 24 E

Proceed in an easterly, then southerly direction from Vernal, UT along US Highway 40 approximately 4.0 miles to the junction of State Highway 45; exit right and proceed in a southerly, then southeasterly direction approximately 36.0 miles to Bonanza, UT proceed in a southerly direction approximately 16.9 miles to the junction of this road and an existing road to the southwest; turn right and proceed in a southwesterly direction approximately 7.7 miles to the junction of this road and an existing road to the south; turn left and proceed in a southerly, then southeasterly direction approximately 0.8 miles to the junction of this road and an existing road to the east; turn left and proceed in an easterly, then southeasterly direction approximately 0.35 miles to the beginning of the proposed access to the south; follow road flags in a southerly direction approximately 0.3 miles to the proposed location.

Total distance from Vernal, UT to the proposed well location is approximately 66.05 miles.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

2. Planned access road

The proposed access road will be approximately 792' +/- of new construction on lease and 792' of new construction off lease. The road will be graded once per year minimum and maintained.

A) Approximate length	1584 ft
B) Right of Way width	30 ft
C) Running surface	18 ft
D) Surface material	Native soil
E) Maximum grade	5%
F) Fence crossing	None
G) Culvert	None
H) Turnouts	None
I) Major cuts and fills	None
J) Road Flagged	Yes
K) Access road surface ownership	Federal
L) All new construction on lease	No
M) Pipe line crossing	None

Please see the attached location plat for additional details.

An off lease Right-of-Way will be required. All surface disturbances for the road and location will be within the lease boundary(s).

3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

A) Producing well	
	Hanging Rock F 7-10
	Hanging Rock FED F 7-6
B) Water well	None
C) Abandoned well	None
D) Temp. Abandoned well	None
E) Disposal well	None



F) Drilling /Permitted well   None  
G) Shut in wells

**Hanging Rock F 12-8**

**Hanging Rock 12-9**

H) Injection well               None

I) Monitoring or observation well  
None

Please see the attached map for additional details.

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted Flat Earth Tones. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval from the authorized officer.

If the well is capable of economic production a surface gas line will be required.

**Approximately 1400' +/- of 3" gathering line would be constructed on Federal Lands. The line would tie into the existing pipeline in Sec. 7, T12S, R24E. The line will be built on location and then strung cross-country to the north of the location.**

**An off lease Right-of-Way will be required.**

Please see the attached location diagrams for pipeline location. There will be no additional surface disturbances required for the installation of a gathering line.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration report will be submitted to the BLM's Vernal District office and State of Utah, Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American

Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

**Water for drilling and cementing will be trucked by Tu and Frum. Water permit #T75517 from the White River.**

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately **8 ft.** deep and most of the depth shall be below the surface of the existing ground. Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials

such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer.

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

9. Well-site layout

Location dimensions are as follows:

- A) Pad length 325 ft
- B) Pad width 155 ft
- C) Pit depth 8 ft
- D) Pit length 140 ft
- E) Pit width 70 ft
- F) Max cut 26.2 ft
- G) Max fill 9.0 ft
- H) Total cut yds. 14,570cu yds
- I) Pit location west side
- J) Top soil location east & south end
- K) Access road location north end
- L) Flare Pit corner C

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.

E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately 1,580 cubic yards of material. Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be re-contoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified. And left with a rough surface.

**A) Seeding dates:**

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

**B) Seed Mix:**

<b>4 Wing</b>	<b>4#/acre</b>
<b>WY Big Sage</b>	<b>1#/acre</b>
<b>Winter Fat</b>	<b>3#/acre</b>
<b>Blue Gramma</b>	<b>4#/acre</b>

**11. Surface Ownership:**

<b>Access road</b>	<b>Federal</b>
<b>Location</b>	<b>Federal</b>
<b>Pipe line</b>	<b>Federal</b>

**12. Other information:**

**A) Vegetation**

The vegetation coverage is Slight. The majority of the existing vegetation consists of sage brush. Rabbit brush, bitter brush, and Indian rice grass are also found on the location.

**B) Dwellings:**

There are no dwelling or other facilities within a one-mile radius of the location.

**C) Archeology:**

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations, which would affect such sites will be suspended and the discovery reported promptly

to the surface management agency.

been off production for more than 90 days.

D) Water:

**The nearest water is the White River which, is 12 miles to the North.**

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

F) Notification:

- a) Location Construction  
At least forty-eight (48) hours prior to construction of location and access roads.
- b) Location completion  
Prior to moving on the drilling rig.
- c) Spud notice  
At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing  
At least twenty-four (24) hours prior to running casing and cementing all casing strings.
- e) BOP and related equipment tests  
At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice  
Within five (5) business days after the new well begins, or production resumes after well has

G) Flare pit:

The flare pit will be located in corner C of the reserve pit outside the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

13. Lessees or Operator's representative and certification

A) Representatives:

William A. Ryan  
Rocky Mountain Consulting  
290 S 800 E  
Vernal, UT 84078

Office 435-789-0968  
Fax 435-789-0970  
Cellular 435-828-0968

Ivan Sadlier  
McElvain Oil and Gas  
435-828-0284

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

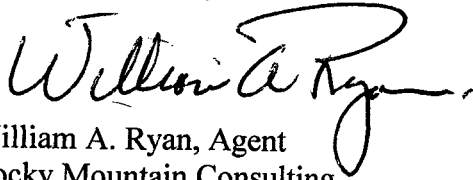
This drilling permit will be valid for a period of one year from the date of approval.

After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route, that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by McElvain Oil and Gas Properties and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date Oct 28, 2004



William A. Ryan, Agent  
Rocky Mountain Consulting

Onsite Dates: 8/26/2004

### **Statement of use of Hazardous Materials**

No chemical(s) from the EPA's consolidated list of Chemicals subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan  
Agent for McElvain Oil and Gas Properties, INC  
Rocky Mountain Consulting  
290 S 800 E  
Vernal, UT 84078

435-789-0968 Office  
435-828-0968 Cell  
435-789-0970 Fax

# McELVAIN OIL AND GAS PROP., INC.

## HANGING ROCK #18-4

LOCATED IN UINTAH COUNTY, UTAH

SECTION 18, T12S, R24E, S.L.B.&M.

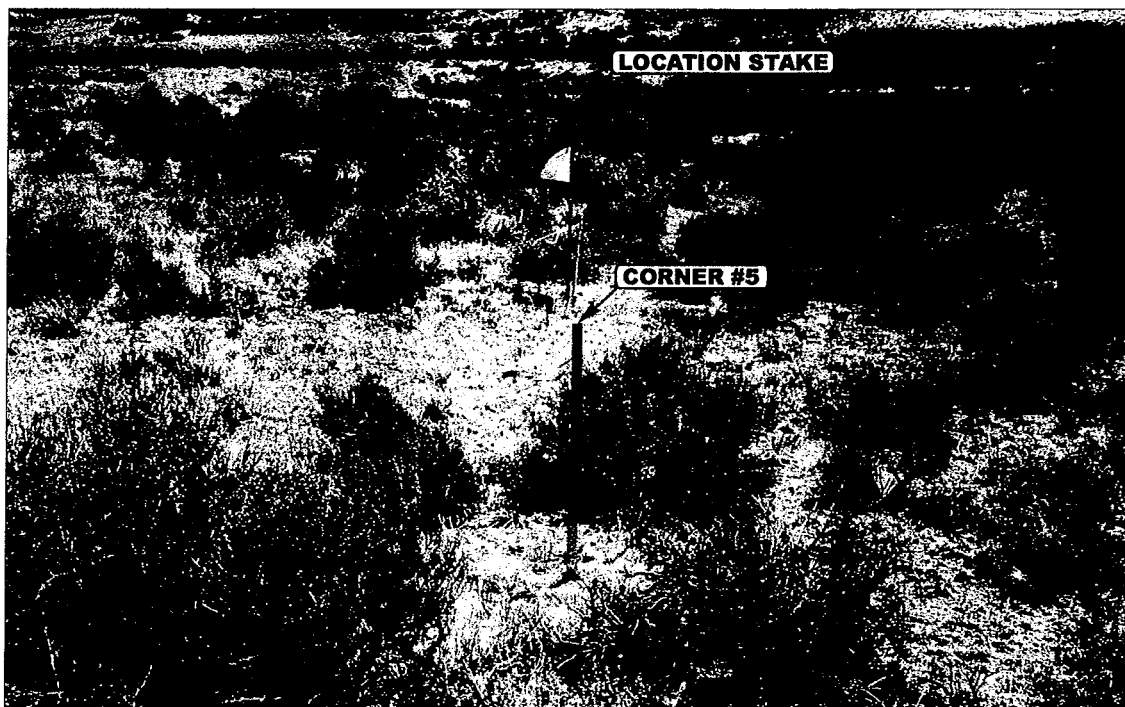


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

**UELS**

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

06 15 04  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: J.D.G.

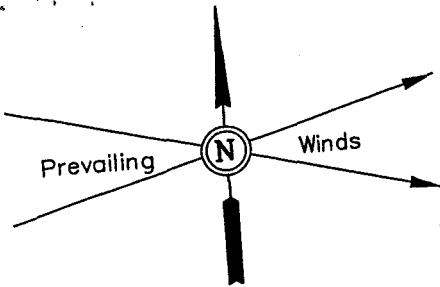
REVISED: 00-00-00



# McELVAIN OIL & GAS PROP., INC.

FIGURE #1

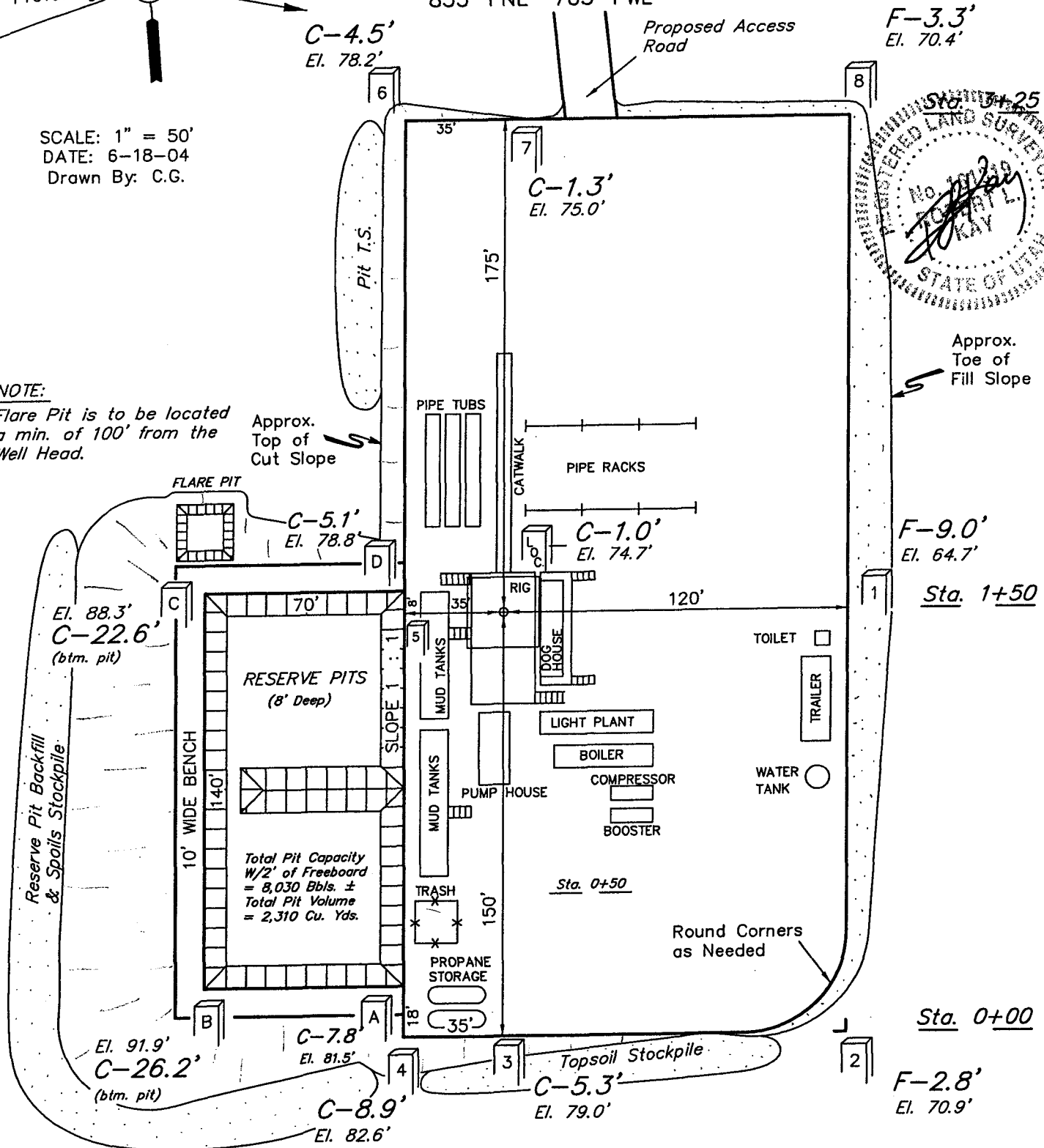
LOCATION LAYOUT FOR  
HANGING ROCK #18-4  
SECTION 18, T12S, R24E, S.L.B.&M.  
855' FNL 703' FWL



SCALE: 1" = 50'  
DATE: 6-18-04  
Drawn By: C.G.

## NOTE:

Flare Pit is to be located  
a min. of 100' from the  
Well Head.



## NOTES:

Elev. Ungraded Ground At Loc. Stake = 6074.7'  
FINISHED GRADE ELEV. AT LOC. STAKE = 6073.7'

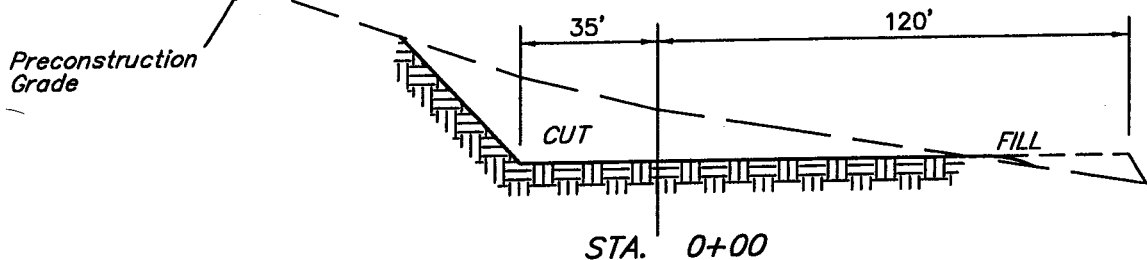
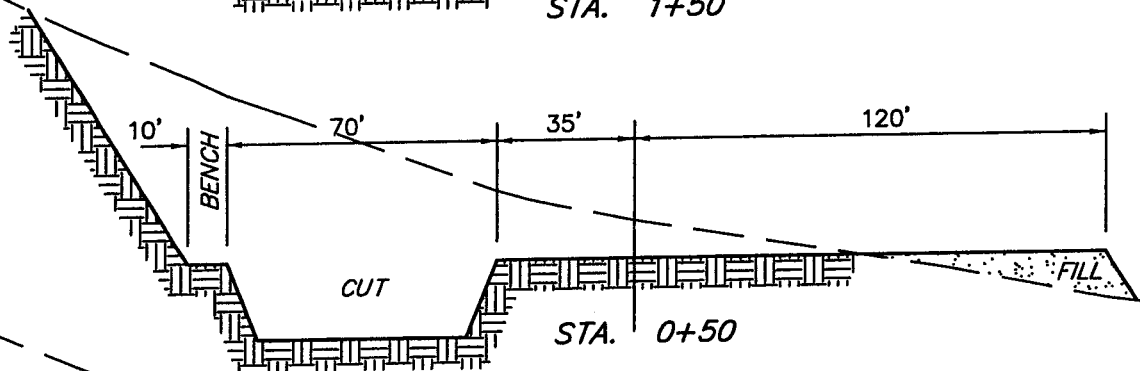
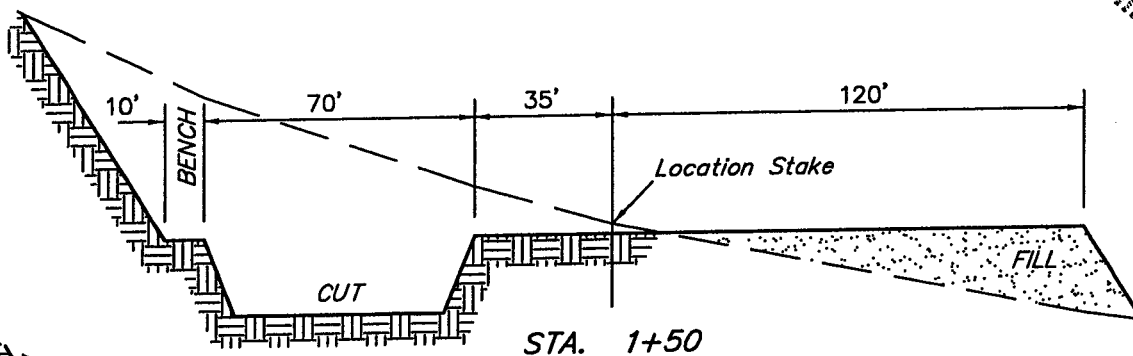
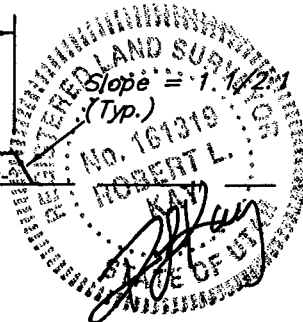
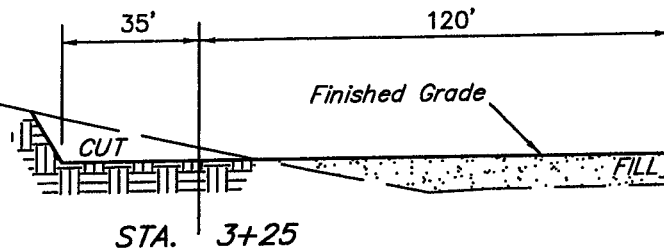
UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# MC ELVAIN OIL & GAS PROP., INC.

FIGURE #2

## TYPICAL CROSS SECTIONS FOR HANGING ROCK #18-4 SECTION 18, T12S, R24E, S.L.B.&M. 855' FNL 703' FWL

1" = 20'  
X-Section  
Scale  
1" = 50'  
DATE: 6-18-04  
Drawn By: C.G.



### APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,580 Cu. Yds.
Remaining Location	= 12,990 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 14,570 CU.YDS.</b>
<b>FILL</b>	<b>= 5,450 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 9,120 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,740 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 6,380 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



# **LEGEND:**

○ PROPOSED LOCATION



**McELVAIN OIL & GAS PROP., INC.**

**HANGING ROCK #18-4**

**SECTION 18, T12S, R24E, S.L.B.&M.**

**855' FNL 703' FWL**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

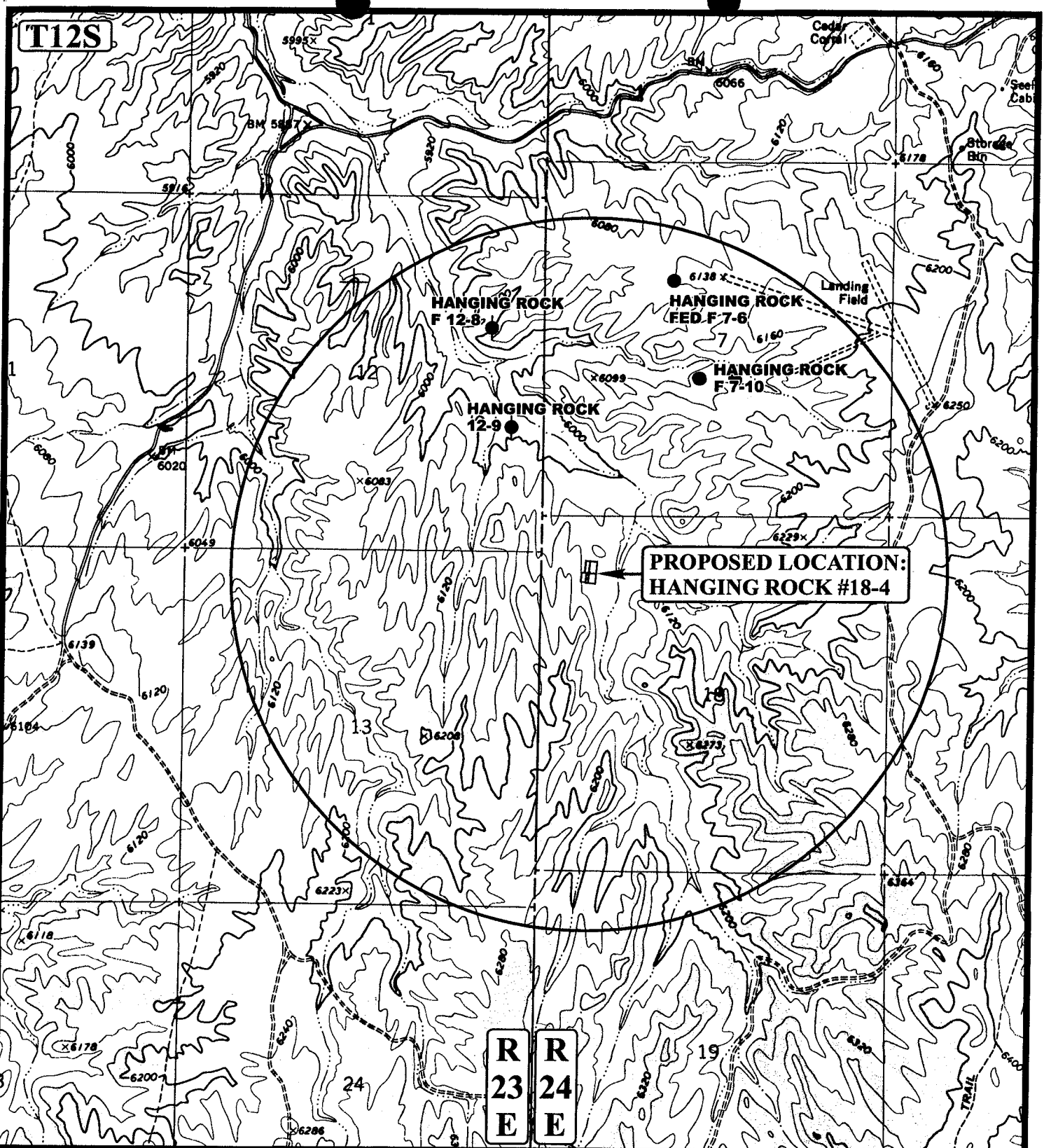
**TOPOGRAPHIC**  
**MAP**

**06 15 04**  
MONTH DAY YEAR

**SCALE: 1:100,000 DRAWN BY: J.D.G. REVISED: 00-00-00**







**LEGEND:**

- |                   |                         |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS  | ⊗ WATER WELLS           |
| ● PRODUCING WELLS | ⊗ ABANDONED WELLS       |
| ⊙ SHUT IN WELLS   | ⊗ TEMPORARILY ABANDONED |



**McELVAIN OIL & GAS PROP., INC.**

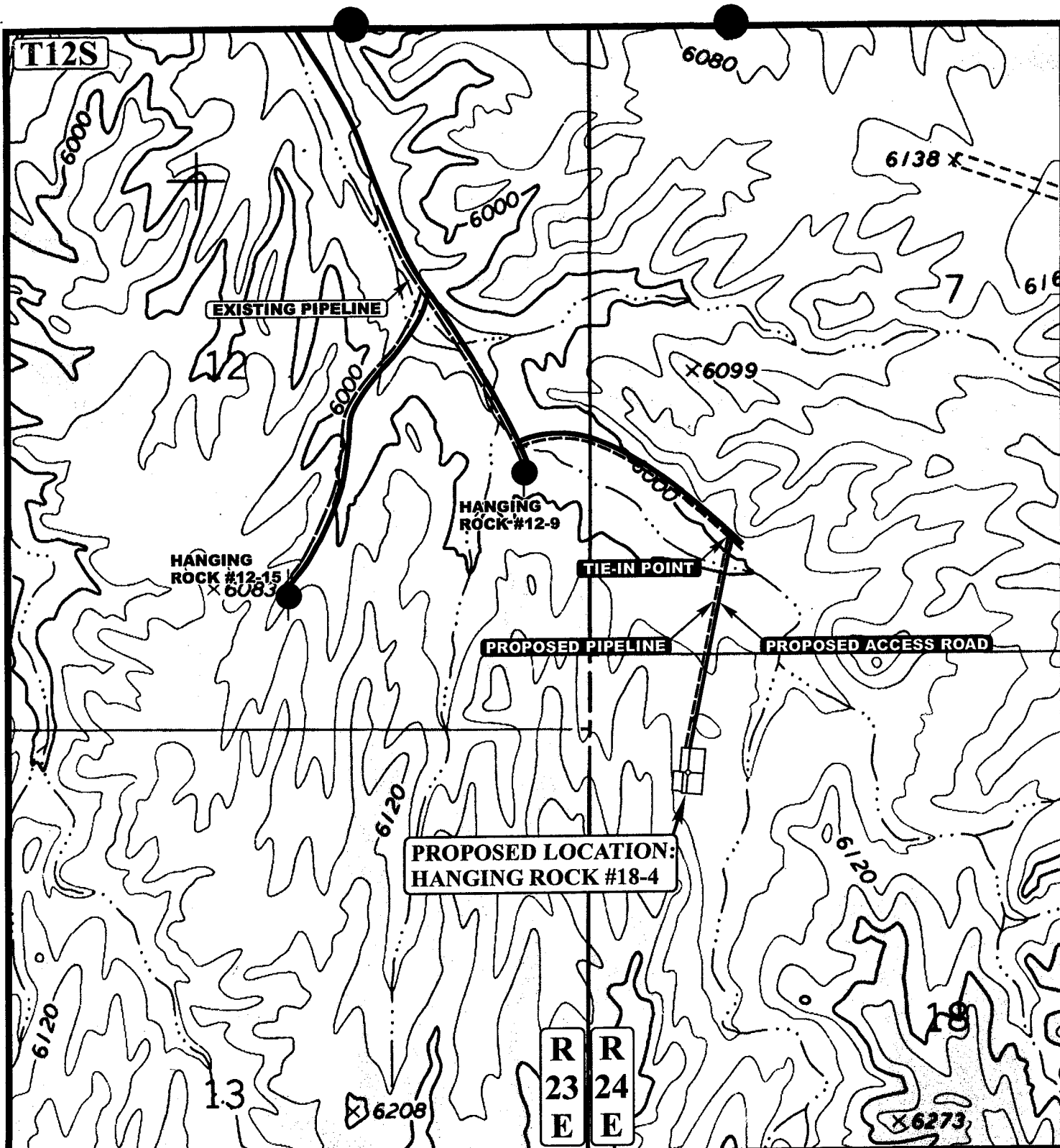
**HANGING ROCK #18-4**  
**SECTION 18, T12S, R24E, S.L.B.&M.**  
**855' FNL 703' FWL**



**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** **06 15 04**  
**MAP** **MONTH DAY YEAR**  
**SCALE: 1" = 2000'** **DRAWN BY: J.D.G.** **REVISED: 00-00-00**





APPROXIMATE TOTAL PIPELINE DISTANCE = 1400' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



**McELVAIN OIL & GAS PROP., INC.**

**HANGING ROCK #18-4**  
**SECTION 18, T12S, R24E, S.L.B.&M.**  
**855' FNL 703' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

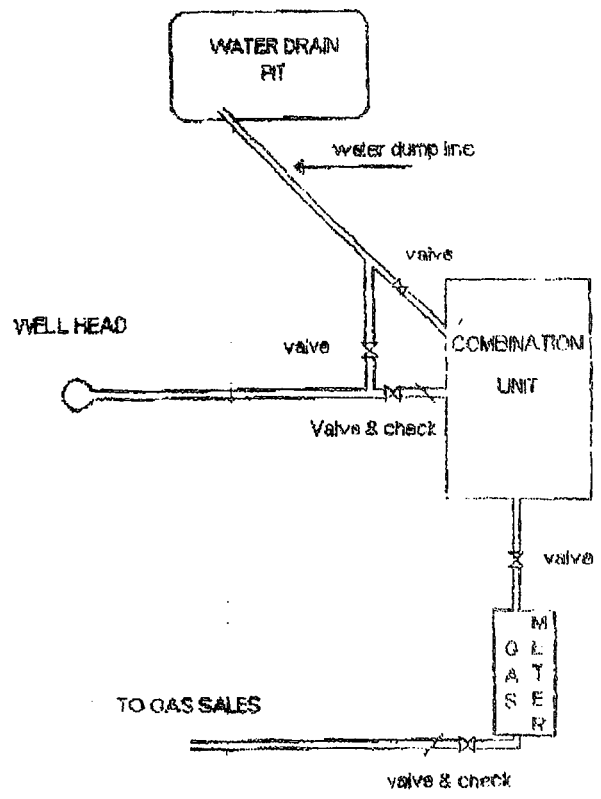
**TOPOGRAPHIC  
MAP**

**06 15 04**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.D.G. REVISED: 00-00-00

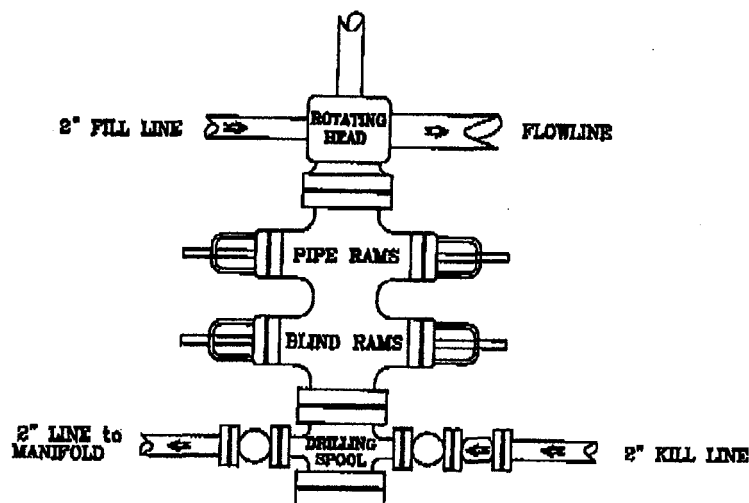
**D**  
**TOPO**

TYPICAL  
GAS WELL



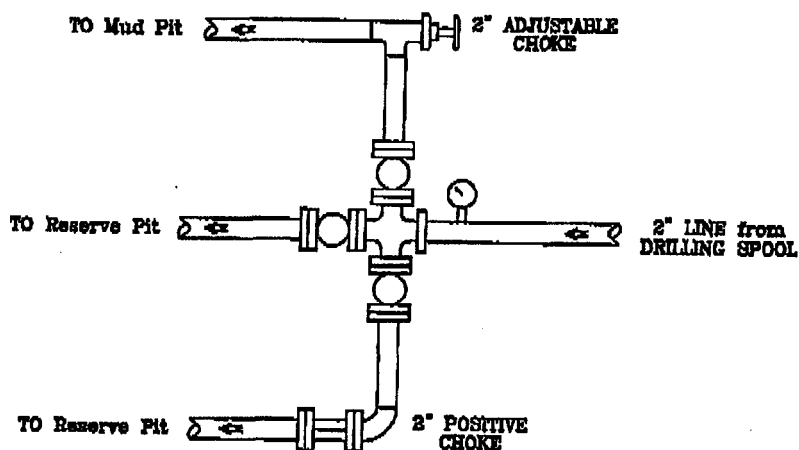
# PRESSURE CONTROL

## Wellhead Assembly



Preventer and Spools are to have a  
6" Bore or larger and a 2000 PSI  
or higher Pressure Rating

## Choke Manifold



*McElvain Oil & Gas Properties, Inc.*

Hanging Rock Federal #18-4

855' FNL & 703' FWL

Section 18 T12S, R24E

Uintah County, Utah



004

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/16/2004

API NO. ASSIGNED: 43-047-36111

WELL NAME: HANGING ROCK 18-4OPERATOR: MCELVAIN OIL & GAS ( N2100 )CONTACT: BILL RYANPHONE NUMBER: 435-789-0968

## PROPOSED LOCATION:

NWNW 18 120S 240E

SURFACE: 0855 FNL 0703 FWL

BOTTOM: 0855 FNL 0703 FWL

UINTAH

UNDESIGNATED ( 2 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-73704

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LATITUDE: 39.77986

LONGITUDE: -109.2791

## RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. LMP-4138223 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. T75517 )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

R649-2-3.

Unit

☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. Exception

Drilling Unit

Board Cause No:

Eff Date:

Siting:

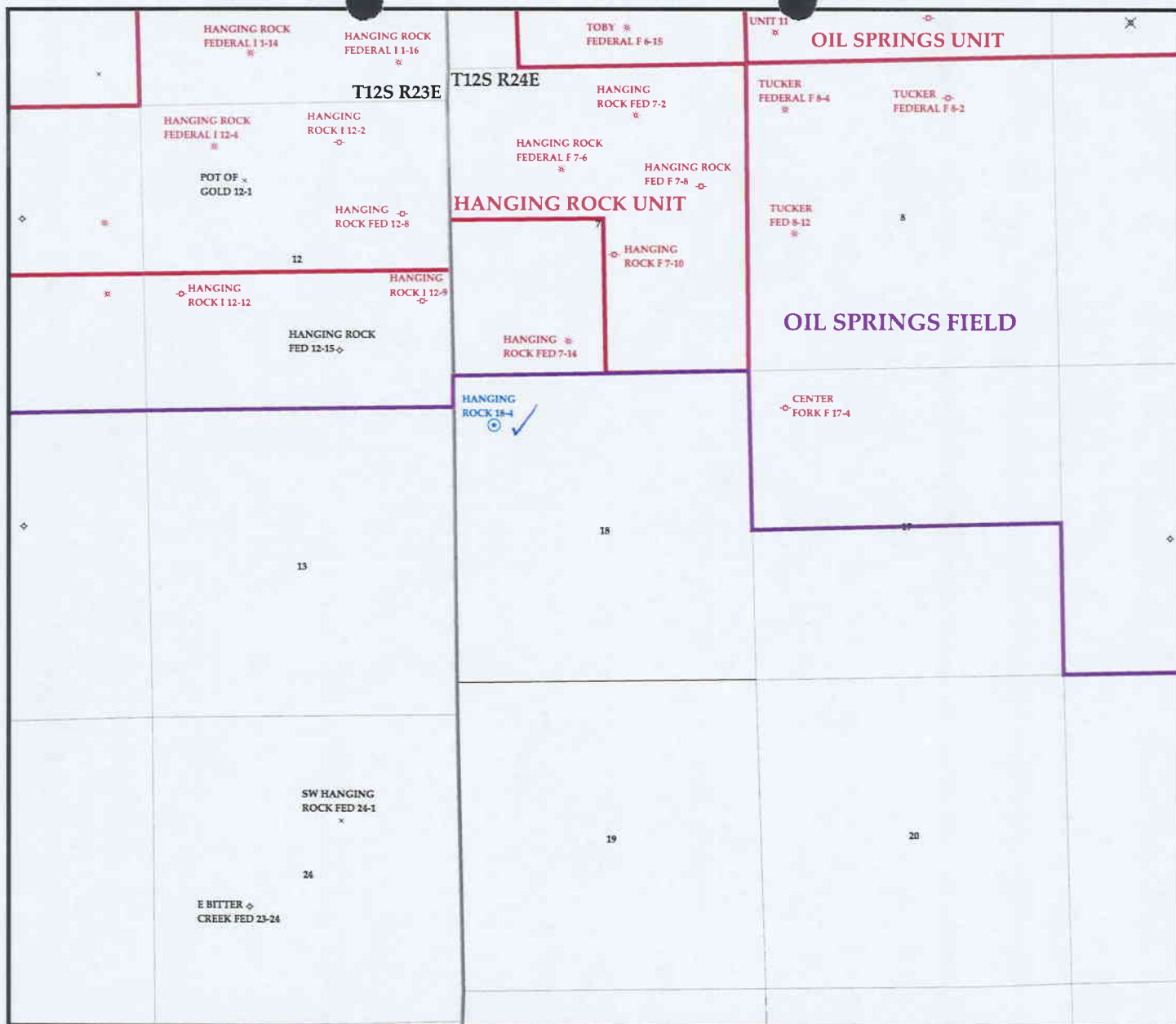
R649-3-11. Directional Drill

## COMMENTS:

## STIPULATIONS:

1- Federal Approval

2- Spacing Strip



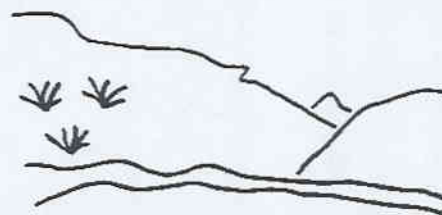
OPERATOR: MCELVAIN O&G PROP (N2100)

SEC. 18 T.12S R.24E

FIELD: UNDESIGNATED (002)

COUNTY: UTAH

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

#### Wells

- ✱ GAS INJECTION
- ⊙ GAS STORAGE
- × LOCATION ABANDONED
- ⊕ NEW LOCATION
- ⊖ PLUGGED & ABANDONED
- ✱ PRODUCING GAS
- PRODUCING OIL
- ✱ SHUT-IN GAS
- SHUT-IN OIL
- × TEMP. ABANDONED
- TEST WELL
- △ WATER INJECTION
- ◆ WATER SUPPLY
- ♠ WATER DISPOSAL

#### Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 19-NOVEMBER-2004



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

November 22, 2004

McElvain Oil & Gas Properties, Inc.  
1050 17th Street, Suite 1800  
Denver, CO 80265

Re: Hanging Rock 18-4 Well, 855' FNL, 703' FWL, NW NW, Sec. 18,  
T. 12 South, R. 24 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36111.

Sincerely,

John R. Baza  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

Operator: McElvain Oil & Gas Properties, Inc.  
Well Name & Number Hanging Rock 18-4  
API Number: 43-047-36111  
Lease: UTU-73704

Location: NW NW                      Sec. 18                      T. 12 South                      R. 24 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>UTU-73704</b>
2. Name of Operator <b>McElvain Oil &amp; Gas Properties, Inc.</b>		6. If Indian, Allottee or Tribe Name <b>N/A</b>
3a. Address <b>1050 17th Street, Suite 1800 Denver, CO 80265</b>	3b. Phone No. (include area code) <b>303-893-0933</b>	7. If Unit or CA/Agreement, Name and/or No. <b>N/A</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>855' FNL 703' FWL NWNW Sec. 18 T12S R24E S.L.B.&amp;M.</b>		8. Well Name and No. <b>Hanging Rock 18-4</b>
		9. API Well No. <b>43-047-36111</b>
		10. Field and Pool, or Exploratory Area <b>Undesignated</b>
		11. County or Parish, State <b>Uintah Utah</b>

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

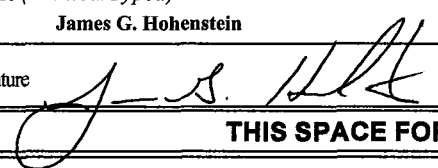
**Surface Use Plan Revision - Ancillary Facilities:** During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crew's housing and eating facility. These will be located on the perimeter of the pad site within the topsoil stockpiles. No additional surface disturbance will occur from what was proposed in the initial APD. The previously submitted waste management procedures remain in effect.

BLM Bond No. LMP-4138223

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
MAY 16 2005

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>James G. Hohenstein</b>		Title <b>Land Manager</b>
Signature 		Date <b>5/13/05</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73704
2. NAME OF OPERATOR: McElvain Oil & Gas Properties, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: na
3. ADDRESS OF OPERATOR: 1050 - 17th St., Ste. 1800 CITY Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME: na
PHONE NUMBER: (303) 893-0933		8. WELL NAME and NUMBER: Hanging Rock 18-4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 855' FNL & 703' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 12S 24E		9. API NUMBER: 4304736111
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Undesignated
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 7/1/2006	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for Drilling Permit Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

McElvain Oil & Gas Properties, Inc. is requesting an extension to our November 22, 2005 drilling permit expiration date due to delays in our receipt of a federal drilling permit. The Vernal Utah office of the Bureau of Land Management is continuing its review of our proposed well site, pipe line route and access road right-of-way. Until McElvain Oil & Gas receives a federal drilling permit, we will be unable to proceed with our plans to drill this well.

PLEASE SEE THE ATTACHED STATE OF UTAH FORM "APPLICATION FOR PERMIT TO DRILL-REQUEST FOR PERMIT EXTENSION VALIDATION".

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-27-05

By: [Signature]

COPY SENT TO OPERATOR  
Date: 11-3-05  
Initials: [Signature]

NAME (PLEASE PRINT) E. Reed Fischer

TITLE Operations Engineer

SIGNATURE [Signature]

DATE 10/24/2005

(This space for State use only)

RECEIVED

OCT 26 2005

DIV. OF OIL, GAS & MINING

SECRET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-36111  
**Well Name:** Hanging Rock #18-4  
**Location:** NWNW Sec. 18, T12S-R24E, Uintah County, Utah  
**Company Permit Issued to:** McElvain Oil & Gas Properties, Inc.  
**Date Original Permit Issued:** 11/22/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

10/24/2005

Date

Title: Operations Engineer

Representing: McElvain Oil & Gas Properties, Inc.

RECEIVED

OCT 26 2005

DIV. OF OIL, GAS & MINING

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NOV -1 2004

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-73704</b>	
B. TYPE OF WELL OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>na</b>	
2. NAME OF OPERATOR <b>McElvain Oil and Gas Properties, Inc.</b>			7. UNIT AGREEMENT NAME <b>na</b>	
3. ADDRESS OF OPERATORS <b>1050 17th Street, Suite 1800. Denver CO 80265</b>			8. FARM OR LEASE NAME <b>na</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement) at surface <b>855' FNL &amp; 703' FWL NWNW</b> At proposed prod. Zone <b>same as above</b> <i>43' 147' 36" 111</i>			9. WELL NO. <b>Hanging Rock 18-4</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE <b>66.05 miles south of Vernal Utah</b>			10. FIELD OR LEASE NAME <b>Wildcat</b>	
15. DISTANCE FROM PROPOSED LOC. TO NEAREST PROP. OR LEASE LINE, FT. (Also to nearest drlg. Unit line, if any) <b>703'</b>			11. Sec., T., R., M., OR BLK AND SURVEY OR AREA <b>Section 18, T12S, R24E</b>	
16. DISTANCE FROM PROPOSED LOCATION * TO NEAREST WELL, DRILLING COMPLETED. OR APPLIED FOR, ON THIS LEASE, FT. <b>na</b>			12. COUNTY OR PARISH <b>Uintah</b>	
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>			13. STATE <b>Utah</b>	
18. PROPOSED DEPTH <b>4112'</b>			20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATION (SHOW WHETHER DF. RT, GR, etc.) <b>6073.7' GR</b>			22. APPROX. DATE WORK WILL START <b>May 15, 2005</b>	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	300	160 sks
7 7/8"	4 1/2"	10.5#	TD	650 sks

Please find the attached 10 and 13 point plans and plat maps.  
The operator requests to drill the subject well.

William A Ryan  
290 S 800 E  
Vernal, UT 84078  
435-789-0968

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposed to deepen or plug back, give data on proposed productive zone and proposed new productive zone. If proposal is to drill or deepen directional, give pertinent data on subsurface location and measure and true vertical depths. Give blowout preventer program, if any.

24  
SIGNATURE William A. Ryan TITLE Agent DATE Oct. 26, 2004

(This space for Federal or State Office use)

CONDITIONS OF APPROVAL ATTACHED

PERMIT NO.                      APPROVAL DATE 12/14/2005  
APPROVED BY Shane B. Leavitt Assistant Field Manager  
CONDITIONS OF APPROVAL, IF ANY: Mineral Resources DATE 12/14/2005

\*See Instructions on Reverse Side

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UDOGM

RECEIVED  
DEC 19 2005

DIV. OF OIL, GAS & MINING

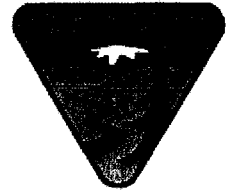
NOTICE OF APPROVAL





UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO  
DRILL**

Company: **McElvain O&G Properties, Inc.** Location: **NWNW, Sec 18, T12S, R23E**  
Well No: **Hanging Rock 18-4** Lease No: **UTU-73704**  
API No: **43-047-36111** Agreement: **N/A**

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations.

**NOTIFICATION REQUIREMENTS**

- |   |   |  |
|---|---|--|
| Location Construction<br>(Notify Karl Wright)           | - | Forty-Eight (48) hours prior to construction of location and access roads.   |
| Location Completion<br>(Notify Karl Wright)             | - | Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify Petroleum Engineer)              | - | Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Jamie Sparger)     | - | Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Jamie Sparger) | - | Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify Petroleum Engineer)  | - | Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

1. Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee will submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the resspreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.
2. The interim seed mix for reclamation will be:

Western wheat grass	<i>Agropyron smithii</i>	4lbs. /acre
Needle and thread grass	<i>Stipa comata</i>	4 lbs./acre
Indian ricegrass	<i>Pleuraphis hymenoides</i>	4 lbs./acre
3. The access corridor for the road/pipeline will be 50 feet wide, and the pipeline will be buried within the access corridor in accordance with the BLMs Best Management Practices.
4. The operator has committed to not conduct construction or drilling operations from May 15<sup>th</sup> to June 20<sup>th</sup> to protect pronghorn antelope while they are kidding. This timing restriction may be waived by the Authorized Officer of the BLM if a survey is conducted and the pronghorn prove to not be in that area.

### ***DOWNHOLE CONDITIONS OF APPROVAL***

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint. Surface casing setting depths are based on ground level elevations only.

All casing strings below the conductor shall be pressure tested to 0.22 psi/ft of casing string length or 1500 psi, whichever is greater but not to exceed 70% of the minimum internal yield.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.

All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.

BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
6. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.
7. Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.

**Please submit an electronic copy of all logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for**

**submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF other).**

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

10. Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
11. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
12. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
- a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - g. Unit agreement and / or participating area name and number, if applicable.

- h. Communitization agreement number, if applicable.
13. Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
  14. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
  15. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
  16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73704
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: N/A
2. NAME OF OPERATOR: McElvain Oil & Gas Properties, Inc. <i>N2100</i>		8. WELL NAME and NUMBER: Hanging Rock 18-4
3. ADDRESS OF OPERATOR: 1050 - 17th St, Ste 1800 CITY Denver STATE Co ZIP 80202		9. API NUMBER: 4304736111
4. LOCATION OF WELL FOOTAGES AT SURFACE: 855' FNL - 703' FWL S.L.B.&M. COUNTY: Uintah QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 12S 24E S STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Wildcat

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>12/21/2005</u>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Change of operator from McElvain Oil & Gas Properties, Inc. effective 12-21-2005 to:

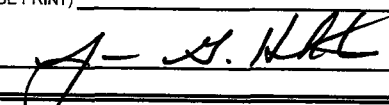
Enduring Resources, LLC  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Operator No. N2750  
Utah State Bond #RLB0008031

ENDURING RESOURCES, LLC

X   
BY: Alvin R. Arlian  
TITLE: Regulatory Specialist

DATE: 12-21-2005

NAME (PLEASE PRINT) <u>James G. Hohenstein</u>	TITLE <u>Vice President - Land</u>
SIGNATURE 	DATE <u>12/22/2005</u>


(This space for State use only)

James G. Hohenstein  
Land Manager

RECEIVED

DEC 27 2005

(5/2000)

APPROVED 12/28/05  
  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**


(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	Hanging Rock 18-4
<b>API number:</b>	4304736111
<b>Location:</b>	Qtr-Qtr: NWNW Section: 18 Township: 12S Range: 24E
<b>Company that filed original application:</b>	McElvain Oil & Gas Properties, Inc.
<b>Date original permit was issued:</b>	10/27/2005
<b>Company that permit was issued to:</b>	McElvain Oil & Gas Properties, Inc.

Check one	Desired Action:
<input type="checkbox"/>	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>RLB0008031</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Alvin R. (Al) Arlian Title Landman - Regulatory Specialist  
Signature  Date 12/21/2005  
Representing (company name) Enduring Resources, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

**DEC 27 2005**





6c. Reports current for Production/Disposition & Sundries on: ok

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA n/a

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 12/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 12/28/2005
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 12/28/2005

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000173

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number n/a
2. The FORMER operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on:

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

<http://www.blm.gov/utah/vernal>



IN REPLY REFER TO:

3162.3

UT08300

January 17, 2006

Al Arlian  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202

Re: *43-047-36111*  
Hanging Rock 18-4  
NWNW, Sec. 18, T12S, R24E  
Uintah County, Utah  
Lease No. U-73704

Dear Mr. Arlian:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Enduring Resources, LLC is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UTB000173, for all operations conducted on the referenced well on the leased land.

Our records show that rights-of-way, UTU-82744 has been issued for the off lease portion of the access and UTU-82745 has been issued for the off lease portion of the pipeline to the subject well. In order for Enduring Resources, LLC to obtain the Bureau of Land Management's approval for the use of these rights-of-way, you must have these rights-of-way assigned over to Enduring Resources, LLC. Please contact Cindy McKee at 435-781-4434 for instructions on how to complete the assignment of the rights-of-way.

If you have any other questions concerning this matter, please contact Leslie Wilcken of this office at (435) 781-4497.

Sincerely,

*Michael Lee*

Michael Lee  
Petroleum Engineer

cc: UDOGM  
McElvain O&G Properties, Inc.  
Rosewood Resources  
Morgan Exploration LLC  
T K Production Co.  
Harold B Holden  
DJ Investment Co. LTD

RECEIVED

JAN 25 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DEC 27 2005

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-73704
2. Name of Operator Enduring Resources, LLC		6. If Indian, Allottee or Tribe Name N/A
3a. Address 475 17th Street, Suite 1500, Denver, CO 80202	3b. Phone No. (include area code) 303-350-5114	7. If Unit or CA/Agreement, Name and/or No. N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 855' FNL - 703' FWL NWNW Sec 18, T12S-R24E		8. Well Name and No. Hanging Rock 18-4
		9. API Well No. 4304736111
		10. Field and Pool, or Exploratory Area Wildcat
		11. County or Parish, State Uintah, Utah

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>Change of Operator</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>effective 12-21-2005</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Change of Operator from: McElvain Oil &amp; Gas Properties, Inc. effective December 21, 2005.

Change of Operator to: Enduring Resources, LLC:

BLM Statewide Oil &amp; Gas Lease Bond No. UTB000173

State of Utah, Division of Oil, Gas &amp; Mining Surety Bond No. RLB0008031

MCELVAIN OIL &amp; GAS PROPERTIES, INC.

BY: James G. Hohenstein  
TITLE: Vice President - Land

DATE: 12-22-2005

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Alvin R. (Al) Arlian

Title Landman - Regulatory Specialist

Signature

Date

12/21/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Petroleum Engineer

Title

Date

JAN 17 2006

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

JAN 25 2006

DIV. OF OIL, GAS &amp; MINING

## SELF-CERTIFICATION STATEMENT

The following self-certification statement is provided per federal requirements dated June 15, 1988.

Please be advised that Enduring Resources, LLC is considered to be the operator of the following well.

Hanging Rock 18-4 Well  
NWNW 855' FNL – 703' FWL  
Section 18, T12S-R24E S.L.B. & M.  
Lease Serial No.: UTU-73704  
Uintah County, Utah

Enduring Resources, LLC is responsible under the terms and conditions of the lease for the operations conducted upon leased lands. Bond coverage is provided by UTB000173.



December 21, 2005

Alvin R. (Al) Arlian  
Landman - Regulatory Specialist  
Enduring Resources, LLC  
475 17th Street, Suite 1500  
Denver, CO 80202  
(303) 350-5114

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73704
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 475 17th Street, Ste 1500 CITY Denver STATE Co ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 855' FNL - 703' FWL S.L.B. & M.		8. WELL NAME and NUMBER: Hanging Rock 12-24-11-18
PHONE NUMBER: (303) 350-5114		9. API NUMBER: 4304736111
10. FIELD AND POOL, OR WILDCAT: Wildcat		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 12S 24E S		COUNTY: Uintah
		STATE: UTAH


11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: 2/20/2006	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Conductor-Surface
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Pipe - Cement Report

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

2-8-2006 MI PETE MARTIN RATHOLE SERVICE AND DRILL 40 FT OF 20" HOLE. RUNV 40 FT OF 14" 0 40 NIH CONDUCTOR AND CEMENT IN PLACE WITH 3 YARDS OF READYMIX CEMENT. CONTACTED MICHAEL LEE WITH THE BLM ABOUT SPUD. 24 WAITING ON SURFACE DRILLING RIG

2-18-2006 DRILL 12 1/4" HOLE TO 2200', HIT FRESH H2O @ 1330'. POOH LAYING DOWN DRILL PIPE. RIH W/CEMENT SHOE, 1 JNT CSG, FLOAT COLLAR, 50 JNTS CSG & 8 CENTRALIZERS. RAN CSG TO 2134', RAN 100' 1" PIPE DOWN BACK SIDE. RU BIG 4 CEMENTERS AND PUMP 110BBLs H2O & 20 BBLs GEL DOWN CSG. (LEAD)220 SKS SKS CEMENT, 16% GEL, 10#/SK GILSONITE, 3% SALT, 3#/SK GR-3, 1/4#/SK FLOCELE, 11PPG 11 PPG SLURRY WT. 3.82 CU/FT YIELD, 23 GAL/SK H2O. 149.68 BBL SLURRY MIX DOWN CSG CSG. (TAIL)250 SKS CEMENT. 2% CACL2, 1/4#/SK FLOCELE, 15.8 PPG SLURRY WT. 1.15 CU/FT YIELD, 5.0 GAL/SK H2O. 51.20 BBL SLURRY MIX DOWN CSG. DROP PLUG ON FLY. DISPLACE CSG W/H2O, SET PLUG. (1ST TOP JOB DOWN 1") 100 SKS CEMENT, 3% CACL2 1/4#/SK FLOCELE, 15.8 PPG SLURRY WT., 1.15 CU/FT YIELD, 5.0 GAL/SK H2O. 20.48 BBLs SLURRY MIX CEMENT TO SURFACE, FELL BACK. (2ND TOP JOB DOWN BACK SIDE)125 SKS CEMENT MIX SAME AS 1ST TOP JOB. 25.60 BBLs SLURRY. CEMENT TO SURFACE, HELD

WORT

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE 	DATE <u>2/20/2006</u>

(This space for State use only)

**RECEIVED**  
**FEB 23 2006**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Enduring Resources, LLC Operator Account Number: N 2750  
 Address: 475 17th Street, Suite 1500  
city Denver  
state CO zip 80202 Phone Number: (303) 350-5114

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736111	Hanging Rock 12-24-11-18		NWNW	18	12S	24E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	15237	2/8/2006			3/16/06	
Comments: <u>MURD</u> <u>J</u>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Alvin R. (Al) Arlian

Name (Please Print)

Signature

Landman-Regulatory

Title

3/14/2006

Date

(5/2000)

**RECEIVED****MAR 14 2006**

DIV. OF OIL, GAS &amp; MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

AMENDED REPORT ☐ FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**UTU-73704**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**Enduring Resources, LLC**

3. ADDRESS OF OPERATOR: **475 17th St, Suite 1500** CITY **Denver** STATE **CO** ZIP **80202** PHONE NUMBER: **(303) 573-1222**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **855' FNL - 703' FWL** S.L.B.& M.  
AT TOP PRODUCING INTERVAL REPORTED BELOW: **855' FNL - 703' FWL** S.L.B.& M.  
AT TOTAL DEPTH: **855' FNL - 703' FWL** S.L.B.& M.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**

7. UNIT or CA AGREEMENT NAME  
**N/A**

8. WELL NAME and NUMBER:  
**Hanging Rock 12-24-11-18**

9. API NUMBER:  
**4304736111**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**NWNW 18 12S 24E S**

12. COUNTY  
**Uintah**

13. STATE  
**UTAH**

14. DATE SPURRED: **4/4/2006** 15. DATE T.D. REACHED: **4/8/2006** 16. DATE COMPLETED: **5/28/2006** ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):  
**6091' RKB**

18. TOTAL DEPTH: MD **6,435**  
TVD **6,435**

19. PLUG BACK T.D.: MD **6,371**  
TVD **6,371**

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*  
**7**

21. DEPTH BRIDGE MD **5,890**  
PLUG SET: TVD **5,890**

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

**Previously Submitted.**

23.  
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)  
WAS DST RUN? NO ☒ YES ☐ (Submit report)  
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14"	Line Pipe	0	40		3 yards		0 (CIR)	0
12-1/4"	8-5/8 J-55	32#	16	2,134		CL G 695	247	0 (CIR)	0
7-7/8"	4-1/2 N-80	11.6#	16	6,415		CL G 1,190	277	1550 (CAL)	0

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	5,188							

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	2,884	2,885	2,884	2,885
(B) Mesaverde	3,937	5,817	3,937	5,817
(C)				
(D)				

**27. PERFORATION RECORD**

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
2,884 2,885	1' slot	1	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
3,937 5,817	1' slot	6	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
2884' - 2885'	Placed 50,000 lbs Ottawa 20/40 Sand in the Wasatch Formation
3937' - 5817'	Placed 240,000 lbs Ottawa 20/40 Sand in the Mesaverde Formations

**29. ENCLOSED ATTACHMENTS:**

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: \_\_\_\_\_

**30. WELL STATUS:**

**Shut-in**  
**RECEIVED**

**AUG 14 2006**



## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS: Shut-in

## INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Wasatch	2,388				
Mesaverde	3,880				
Sego	5,865				
Buck Tongue	6,068				

## 35. ADDITIONAL REMARKS (Include plugging procedure)

Subject well has not produced any hydrocarbons or water since completion.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Christian Veillette

TITLE Engineer

SIGNATURE

DATE 8/10/2006

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73704
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 475 17th Street, Ste 1500 CITY Denver STATE Co ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 855' FNL - 703' FWL S.L.B. & M. COUNTY: Uintah QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 12S 24E S STATE: UTAH		8. WELL NAME and NUMBER: Hanging Rock 12-24-11-18
PHONE NUMBER: (303) 350-5114		9. API NUMBER: 4304736111
		10. FIELD AND POOL, OR WILDCAT: Wildcat

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 4/23/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

In order to prevent waste of gas, as defined by law; to protect the correlative rights of all parties concerned; to prevent the drilling of un-necessary wells; and to insure proper and efficient development and promote conservation of the gas resources of the State of Utah, Enduring Resources, LLC respectfully request approval to perforate and commingle the Wasatch and Mesaverde formations "pools" in the same well bore.

- Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs.
- These formations shall be commingled in the well bore and produced concurrently in a single string of 2-3/8" production tubing.
- Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units.
- Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas lease or production units overlying the "pool."

COPY SENT TO OPERATOR  
Date: 5/22/07  
Initials: CWD

NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist  
SIGNATURE [Signature] DATE 4/23/2007

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Federal Approval Of This  
Action Is Necessary

RECEIVED

APR 25 2007

DIV. OF OIL, GAS & MINING

Date: 3/17/07  
By: [Signature]  
(See Instructions on Reverse Side)

# AFFIDAVIT OF MAILING

Statue of Colorado       )  
City and                       )ss.  
County of Denver        )

Alvin R. Arlian (hereinafter sometimes referred to as "Affiant"), of lawful age, being first duly sworn upon oath, deposes and says:

1. Affiant is a Landman-Regulatory Specialist for Enduring Resources, LLC (hereinafter sometimes referred to as "Enduring") whose address is 475 17<sup>th</sup> Street, Denver, Colorado 80202,

2. Enduring is the operator of the following described oil and gas well:

**Hanging Rock 12-24-11-18  
855' FNL - 703' FWL (NWNW) Section 18, T12S-R24E  
Uintah County, Utah**

3. A cursory search of applicable records confirmed that the following parties are the only leasehold interest owners in the contiguous oil and gas wells, contiguous oil and gas leases, or contiguous oil and gas well production units overlying the "pool."

1. The Houston Exploration Company
2. Rosewood Resources, Inc.
3. T.H. McElvain Oil & Gas Properties, Inc.
- 4.

4. On Friday, April 20, 2007 Affiant mailed (or caused to be mailed) in U.S. Mail, with postage prepaid, a copy of the attached Application for Commingling two or more pools (formations) in one well bore of the well described in Paragraph No. 2 above which said Application for Commingling (Form 9) has/had concurrently been filed with the State of Utah Division of Oil, Gas, and Mining (and if applicable, copies sent to SITLA, and the Bureau of Land Management), and

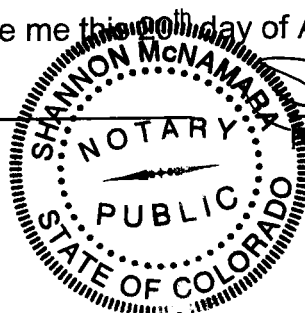
5. Attached is a map showing the location of wells' located on contiguous oil and gas leases and/or production units.

Affiant saith no more.

  
Alvin R. Arlian, Affiant

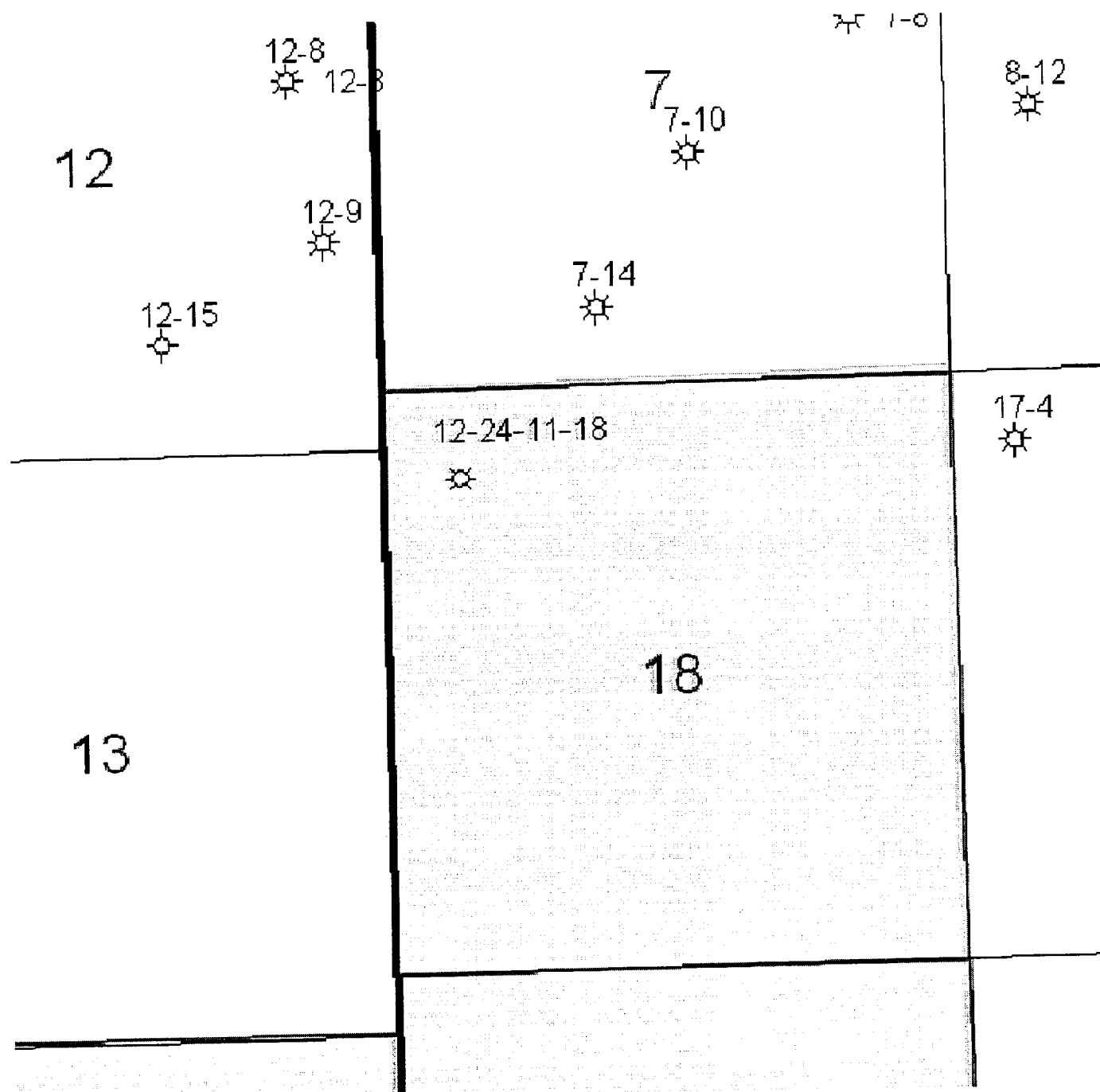
Scribed and sworn to before me this 20<sup>th</sup> day of April, 2007 by Alvin R. Arlian.

March 6, 2009  
My Commission Expires:



Shannon McNamara  
Notary Public.

MAP ATTACHED TO ENDURING RESOURCES, LLC COMMINGLING  
APPLICATION FOR HANGING ROCK 12-24-11-18 LOCATED IN THE NWNW  
SEC. 18-T12S-R24E



**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

October 20, 2005

The Houston Exploration Company  
1100 Louisiana, Suite 2000  
Houston, Texas 77002

**CERTIFIED MAIL**

**ARTICLE NO: 7066 2760 0002 2878 4609**

Attention: Land Department

**RE: Commingling Application  
Hanging Rock 12-24-11-18  
855' FNL - 703' FWL (NWNW) Section 18, T12S-R24E  
Uintah County, Utah**

Dear Leasehold Interest Owner:

Enduring Resources, LLC ("Enduring") has filed an application with the State of Utah Division of Oil, Gas, and Mining requesting approval of the Wasatch and Mesaverde formations (pools) in the above-referenced well to be commingled.

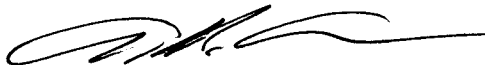
Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs. These formations (pools) shall be commingled in the well's well bore.

Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units. Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas leases or production units overlying the commingled pools (commingled formations).

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

Attachments as stated:

**RECEIVED**  
**APR 25 2007**  
DIV. OF OIL, GAS & MINING

**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500  
Denver, Colorado 80202  
Telephone: 303-573-1222  
Facsimile: 303-573-0461

October 20, 2005

T.H. McElvain Oil & Gas Properties, Inc.  
1050 17th Street, Ste. 1800  
Denver, CO 80265

**CERTIFIED MAIL**  
**ARTICLE NO: 7066 2760 0002 2878 4616**

Attention: Land Department

**RE: Commingling Application**  
**Hanging Rock 12-24-11-18**  
**855' FNL - 703' FWL (NWNW) Section 18, T12S-R24E**  
**Uintah County, Utah**

Dear Leasehold Interest Owner:

Enduring Resources, LLC ("Enduring") has filed an application with the State of Utah Division of Oil, Gas, and Mining requesting approval of the Wasatch and Mesaverde formations (pools) in the above-referenced well to be commingled.

Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs. These formations (pools) shall be commingled in the well's well bore.

Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units. Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas leases or production units overlying the commingled pools (commingled formations).

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

Attachments as stated:

**RECEIVED**

**APR 2 5 2007**

**DIV. OF OIL, GAS & MINING**

***ENDURING RESOURCES, LLC***

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

October 20, 2005

Rosewood Resources, Inc.  
2711 N. Haskell Ave.  
Suite 2800, LB #22  
Dallas, TX 75204-2944

**CERTIFIED MAIL**

**ARTICLE NO: 7066 2760 0002 2878 4593**

Attention: Land Department

**RE: Commingling Application  
Hanging Rock 12-24-11-18  
855' FNL - 703' FWL (NWNW) Section 18, T12S-R24E  
Uintah County, Utah**

Dear Leasehold Interest Owner:

Enduring Resources, LLC ("Enduring") has filed an application with the State of Utah Division of Oil, Gas, and Mining requesting approval of the Wasatch and Mesaverde formations (pools) in the above-referenced well to be commingled.

Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs. These formations (pools) shall be commingled in the well's well bore.

Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units. Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas leases or production units overlying the commingled pools (commingled formations).

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

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**APR 25 2007**

**DIV. OF OIL, GAS & MINING**

CONFIDENTIAL

FORM 9

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-73704

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

N/A

7. UNIT or CA AGREEMENT NAME:

N/A

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:

Hanging Rock 12-24-11-18

2. NAME OF OPERATOR:

Enduring Resources, LLC

9. API NUMBER:

4304736111

3. ADDRESS OF OPERATOR:

475 17th Street, Ste 1500

CITY

Denver

STATE

Co

ZIP

80202

PHONE NUMBER:

(303) 350-5114

10. FIELD AND POOL, OR WILDCAT:

Wildcat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 855' FNL - 703' FWL

S.L.B. &amp; M.

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 12S 24E S

STATE:

UTAH

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

## TYPE OF ACTION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

5/12/2007

☐ ACIDIZE☐ ALTER CASING☐ CASING REPAIR☐ CHANGE TO PREVIOUS PLANS☐ CHANGE TUBING☐ CHANGE WELL NAME☐ CHANGE WELL STATUS☐ COMMINGLE PRODUCING FORMATIONS☐ CONVERT WELL TYPE☐ DEEPEN☐ FRACTURE TREAT☐ NEW CONSTRUCTION☐ OPERATOR CHANGE☐ PLUG AND ABANDON☐ PLUG BACK☒ PRODUCTION (START/RESUME)☐ RECLAMATION OF WELL SITE☐ RECOMPLETE - DIFFERENT FORMATION☐ REPERFORATE CURRENT FORMATION☐ SIDETRACK TO REPAIR WELL☐ TEMPORARILY ABANDON☐ TUBING REPAIR☐ VENT OR FLARE☐ WATER DISPOSAL☐ WATER SHUT-OFF☒ OTHER: Notice of First Gas Sales.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Notice of first gas sales on May 12, 2007.

Well initially shut-in waiting for Canyon Gas to activate meter.

May 12, 2007, Canyon activated meter (late p.m.) and turned well to sales line. Evening of May 12, 2007 well sold 12 mcf.

NAME (PLEASE PRINT) Alvin R. (Al) ArlianTITLE Landman - Regulatory SpecialistSIGNATURE DATE 5/23/2007

(This space for State use only)

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MAY 29 2007



**Enduring Resources, LLC**

475 17th St. - Suite 1500  
Denver, CO 80202  
(303) 573-1222

**CONFIDENTIAL****Drilling Chronological  
Regulatory**

43-047-26111

Well Name: HANGING ROCK FED 12-24-11-18											
Field Name:	Utah		S/T/R:	18/12S/24E		County, State:	UINTAH, UT				
Operator:	Enduring Resources, LLC		Location Desc:	NWNW-18-12S-24E		District:	Northern				
Project AFE:	DV00149		AFEs Associated: / / /								
<b>Daily Summary</b>											
Activity Date :	1/11/2006		Days From Spud :	0		Current Depth :	0 Ft		24 Hr. Footage Made :	0 Ft	
Rig Company :						Rig Name:					
Formation :						Weather:					
<b>Operations</b>											
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run		
6:00	2.00	24	Waiting on construction equipment				0	0	NIH		
8:00	9.00	22	Building location				0	0	NIH		
17:00	13.00	24	SDFN				0	0	NIH		
Total:	24.00										
<b>Daily Summary</b>											
Activity Date :	1/12/2006		Days From Spud :	0		Current Depth :	0 Ft		24 Hr. Footage Made :	0 Ft	
Rig Company :						Rig Name:					
Formation :						Weather:					
<b>Operations</b>											
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run		
6:00	2.00	24	SDFN				0	0	NIH		
8:00	9.00	22	Building location				0	0	NIH		
17:00	13.00	24	SDFN				0	0	NIH		
Total:	24.00										
<b>Daily Summary</b>											
Activity Date :	1/13/2006		Days From Spud :	0		Current Depth :	0 Ft		24 Hr. Footage Made :	0 Ft	
Rig Company :						Rig Name:					
Formation :						Weather:					
<b>Operations</b>											
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run		
6:00	2.00	24	SDFN				0	0	NIH		
8:00	9.00	21	Building location				0	0	NIH		
17:00	13.00	24	SDFN				0	0	NIH		
Total:	24.00										
<b>Daily Summary</b>											
Activity Date :	1/14/2006		Days From Spud :	0		Current Depth :	0 Ft		24 Hr. Footage Made :	0 Ft	
Rig Company :						Rig Name:					
Formation :						Weather:					
<b>Operations</b>											
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run		
6:00	2.00	24	SDFN				0	0	NIH		
8:00	9.00	21	Building location				0	0	NIH		
17:00	13.00	24	SD for weekend. Will resume work on Monday am.				0	0	NIH		
Total:	24.00										

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<b>Well Name: HANGING ROCK FED 12-24-11-18</b>						
Field Name:	Utah	S/T/R:	18/12S/24E	County, State:	UINTAH, UT	
Operator:	Enduring Resources, LLC	Location Desc:	NWNW-18-12S-24E	District:	Northern	

<b>Daily Summary</b>						
Activity Date :	1/17/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

<b>Operations</b>						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

<b>Daily Summary</b>						
Activity Date :	1/18/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

<b>Operations</b>						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Build location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

<b>Daily Summary</b>						
Activity Date :	1/19/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

<b>Operations</b>						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building completion	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

<b>Daily Summary</b>						
Activity Date :	1/20/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

<b>Operations</b>						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

<b>Daily Summary</b>						
Activity Date :	1/21/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

<b>Operations</b>						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building location	0	0	NIH
17:00	13.00	24	SD for weekend. Will resume work on Monday am.	0	0	NIH
Total:	24.00					

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<b>Well Name: HANGING ROCK FED 12-24-11-18</b>						
Field Name: Utah		S/T/R: 18/12S/24E		County, State: UINTAH, UT		
Operator: Enduring Resources, LLC		Location Desc: NWNW-18-12S-24E		District: Northern		

Daily Summary						
Activity Date : 1/24/2006		Days From Spud : 0		Current Depth : 0 Ft		24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total: 24.00						

Daily Summary						
Activity Date : 1/25/2006		Days From Spud : 0		Current Depth : 0 Ft		24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total: 24.00						

Daily Summary						
Activity Date : 1/26/2006		Days From Spud : 0		Current Depth : 0 Ft		24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	FINISH BUILDING LOCATION	0	0	NIH
17:00	13.00	24	WAITING ON CONDUCTOR	0	0	NIH
Total: 24.00						

Daily Summary						
Activity Date : 2/8/2006		Days From Spud : 0		Current Depth : 40 Ft		24 Hr. Footage Made : 40 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	6.00	02	MI PETE MARTIN RATHOLE SERVICE AND DRILL 40 FT OF 20" HOLE. RUNV 40 FT OF 14" CONDUCTOR AND CEMENT IN PLACE WITH 3 YARDS OF READYMIX CEMENT. CONTACTED MICHAEL LEE WITH THE BLM ABOUT SPUD.	0	40	NIH
14:00	16.00	24	WAITING ON SURFACE DRILLING RIG	40	40	NIH
Total: 24.00						

Daily Summary						
Activity Date : 2/16/2006		Days From Spud : 0		Current Depth : 970 Ft		24 Hr. Footage Made : 930 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	24.00	02	MI BILL MARTIN RATHOLE SERVICE AND DRILL 12 1/4" SURFACE HOLE TO 970 FT	40	970	NIH
Total: 24.00						

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JUN 01 2007

<b>Well Name: HANGING ROCK FED 12-24-11-18</b>											
Field Name:		Utah		S/T/R:		18/12S/24E		County, State:		UINTAH, UT	
Operator:		Enduring Resources, LLC		Location Desc:		NWNW-18-12S-24E		District:		Northern	

<b>Daily Summary</b>															
Activity Date :		2/17/2006		Days From Spud :		0		Current Depth :		2020 Ft		24 Hr. Footage Made :		1050 Ft	
Rig Company :								Rig Name:							
Formation :								Weather:							

<b>Operations</b>												
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run
6:00	24.00	02	DRILLING 12 1/4" HOLE TO 2020 FT							970	2020	NIH
Total:		24.00										

<b>Daily Summary</b>															
Activity Date :		2/18/2006		Days From Spud :		0		Current Depth :		2216 Ft		24 Hr. Footage Made :		196 Ft	
Rig Company :								Rig Name:							
Formation :								Weather:							

<b>Operations</b>												
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run
6:00	24.00	02	DRILL 12 1/4" HOLE TO 2200 FT (changed to surface datum to KB)							2020	2216	NIH
Total:		24.00										

<b>Daily Summary</b>															
Activity Date :		2/19/2006		Days From Spud :		0		Current Depth :		2216 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :								Rig Name:							
Formation :								Weather:							

<b>Operations</b>												
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run
6:00	24.00	12	RIH WITH 51 JTS OF 8 5/8" 32# J55 SURFACE CASING TO 2134 ft. CEMENT GUIDE SHOE, FLOAT COLLAR AND 8 CENTRALIZERS. RU BIG 4 CEMENTERS AND PUMP 220 SX LEAD .250 SX TAIL. CEMENT DID NOT COME TO SURFACE. PUMPED TWO TOP JOBS 225 SX. ENCOUNTERED FRESH WATER AT 1330 FT. NO TRONA.							2216	2216	NIH
Total:		24.00										

<b>Daily Summary</b>															
Activity Date :		4/3/2006		Days From Spud :		46		Current Depth :		2216 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :				Ensign				Rig Name:				Ensign 79			
Formation :				Green River				Weather:							

<b>Operations</b>												
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run
6:00	24.00	01	ENSIGN RIG #79 RIGGING UP ON HANGING ROCK FED 12-24-11-18							2216	2216	NIH
Total:		24.00										

<b>Daily Summary</b>															
Activity Date :		4/4/2006		Days From Spud :		47		Current Depth :		2216 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :				Ensign				Rig Name:				Ensign 79			
Formation :				Green River				Weather:							

<b>Operations</b>												
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run
6:00	14.00	01	RIG UP ENSIGN #79 - RIG FLOOR UP, RAISE DERRICK, NIPPLE UP BOP, PU KELLY							2216	2216	NIH
20:00	4.00	15	TEST BOP (ANN HIGH 1500/LOW 250) ,(PIPES CHOKE HIGH 3000/LOW 250)							2216	2216	NIH
0:00	5.00	06	PICK UP BHA							2216	2216	NIH
5:00	1.00	22	TORQUE UPPER & LOWER KELLY - INSTALL ROT HEAD RUBBER							2216	2216	NIH
Total:		24.00										

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**JUN 01 2007**

<b>Well Name: HANGING ROCK FED 12-24-11-18</b>																
Field Name:		Utah		S/T/R:		18/12S/24E		County, State:		UINTAH, UT						
Operator:		Enduring Resources, LLC		Location Desc:		NWNW-18-12S-24E		District:		Northern						
<b>Daily Summary</b>																
Activity Date :		4/5/2006		Days From Spud :		48		Current Depth :		2717 Ft		24 Hr. Footage Made :		579 Ft		
Rig Company :		Ensign				Rig Name:		Ensign 79								
Formation :		Wasatch				Weather:										
<b>Operations</b>																
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run	
6:00	6.00	06	TIH WITH BHA- TAG CEMENT @ 2021 - BREAK CIRC										2138	2138	1	
12:00	2.50	02	DRILLING OUT PLUG, CEMENT, FLOAT & SHOE										2138	2138	1	
14:30	0.50	21	FORMATION INTEGRITY PERFORMED @ 2138' WITH QUICK TEST INC. PRESSURED UP TO 240 PSI AT THE SURFACE (10.5 MW EQUIVALENT) - ONLY LOST 15 LBS IN 10 MINS										2138	2138	1	
15:00	2.00	02	DRILLING AHEAD F/2134' T/2218 (84' @ 42 FT/HR) WOB-7K, RPM-105										2138	2218	1	
17:00	0.50	23	WORK TIGHT HOLE @ 2218'										2218	2218	1	
17:30	1.00	02	DRILLING AHEAD F/2218 T/2252 (34' @ 34FT/HR) WOB-7K, RPM-110										2218	2252	1	
18:30	0.50	10	SINGLE SHOT SURVEY @ 2167 - 0.5 @ 45 DEG NE										2252	2252	1	
19:00	11.00	02	DRILLING AHEAD F/2252 T/ 2717 (465' @ 42.7 FT/HR) WOB-9K, RPM-110										2252	2717	1	
Total:		24.00														
<b>Mud Properties</b>																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
2717	6:00	8.50	8.50	31	0	0	0/0/0	0.0	0.0	0	0.00	0.0%	0.0%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0	0	0.00		0		
Water Loss		LCM	ECD	FL Temp	UFT	Remarks										
0		0.0	0.0	0		CIRC RESERV PIT WITH FRESH WATER - TREATING WITH LIME ONLY										

<b>Daily Summary</b>																
Activity Date :		4/6/2006		Days From Spud :		2		Current Depth :		3676 Ft		24 Hr. Footage Made :		959 Ft		
Rig Company :		Ensign				Rig Name:		Ensign 79								
Formation :		Wasatch				Weather:										
<b>Operations</b>																
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run	
6:00	1.50	02	DRILLING AHEAD F/2717 T/2779 (62' @ 41.3 FT/HR) WOB-10K RPM-110										2717	2779	1	
7:30	0.50	10	DEVIATION SURVEY @ 2702' - 0.76 DEG										2779	2779	1	
8:00	8.50	02	DRILLING AHEAD F/2779 T/3120 (341' @ 40.1 FT/H)										2779	3120	1	
16:30	0.50	07	LUBRICATE RIG										3120	3120	1	
17:00	4.00	02	DRILLING AHEAD F/3120' T/3274' (154' @ 38.5 FT/HR) WOB-9K, RPM-110										3120	3274	1	
21:00	0.50	10	DEVIATION SURVY @ 3194' .5 DEG										3274	3274	1	
21:30	8.50	02	DRILLING AHEAD F/3274' T/3676 (402' @ 47.3 FT/HR) WOB-11K, RPM-100										3274	3676	1	
Total:		24.00														
<b>Mud Properties</b>																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
3020	2:00	8.30	8.40	28	3	0	1/1/1	0.0	0.0	0	0.00	0.0%	100.0%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	11.60	0.55	0.40	0.50	800	60	0	0.00	0.00	0	0	0.00		0		
Water Loss		LCM	ECD	FL Temp	UFT	Remarks										
0		0.0	0.0	0		CIRC RESERV PIT WITH FRESH WATER - TREATING WITH LIME ONLY										

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DIV. OF OIL, GAS & MINING

<b>Well Name: HANGING ROCK FED 12-24-11-18</b>															
Field Name:		Utah			S/T/R:		18/12S/24E			County, State:		UINTAH, UT			
Operator:		Enduring Resources, LLC			Location Desc:		NWNW-18-12S-24E			District:		Northern			

Daily Summary															
Activity Date :		4/7/2006		Days From Spud :		50		Current Depth :		4824 Ft		24 Hr. Footage Made :		1148 Ft	
Rig Company :		Ensign				Rig Name:		Ensign 79							
Formation :		Mesaverde				Weather:									

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	1.50	02	DRILLING AHEAD F/3676 T/3769 (93' @ 62 FT/HR) WOB-11K, RPM-110										3676	3769	1
7:30	0.50	10	DEVIATION SURVEY @ 3692' - 1.15 DEG										3769	3769	1
8:00	9.50	02	DRILLING AHEAD F/3769' T/4234' (465' @ 48.9 FT/HR)										3769	4234	1
17:30	0.50	07	LUBRICATE RIG										3769	3769	1
18:00	1.00	02	DRILLING AHEAD F/4234' T/4296' (62' @ 62 FT/HR) WOB-12K, RPM-90										4234	4296	1
19:00	0.50	10	DEVIATION SURVEY @ 4218' - 1.25 DEG										4296	4296	1
19:30	10.00	02	DRILLING AHEAD F/4296 T/4824 (626' @ 62. FT/HR) WOB-12K, RPM-105										4296	4824	1
5:30	0.50	10	DEVIATION SURVEY @ 4744' - 1.94 DEG										4824	4824	1
Total:		24.00													

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
4173	4:30	8.40	8.50	30	2	6	1/3/4	16.0	0.0	0	0.00	0.5%	99.5%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	10.30	0.30	0.30	0.60	800	60	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	0.0	70		START MUD UP AT 3861' - 9:30 AM (4/6/06) RIG MUD CHECK @ 6:00 AM (4/7/06) MW-8.9, VIS 36									

Daily Summary															
Activity Date :		4/8/2006		Days From Spud :		4		Current Depth :		5727 Ft		24 Hr. Footage Made :		903 Ft	
Rig Company :		Ensign				Rig Name:		Ensign 79							
Formation :		Mesaverde				Weather:									

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	11.00	02	DRILLING AHEAD F/4824 T/5229 (405' @ 36.8 FT/HR) WOB-14K, RPM-110										4824	5229	1
17:00	0.50	07	LUBRICATE RIG										5229	5229	1
17:30	2.50	02	DRILLING AHEAD F/5229 T/5322 (93' @ 37.2 FT/HR) WOB-16K, RPM-110										5229	5322	1
20:00	0.50	10	DEVIATION SURVEY @ 5242' (2.19 DEG)										5322	5322	1
20:30	9.50	02	DRILLING AHEAD F/5322' T/5727 (405' @ 42.6 FT/HR) WOB-16, RPM-110										5322	5727	1
Total:		24.00													

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5028	11:00	9.00	9.00	39	11	14	3/8/4	10.0	0.0	0	0.00	5.0%	95.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	10.30	0.37	0.35	0.55	800	60	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	0.0	70		RIG CHECK @ 6:00 AM 04/08/05 MWT-9.3, VIS-42									

<b>Well Name: HANGING ROCK FED 12-24-11-18</b>															
Field Name: Utah				S/T/R: 18/12S/24E				County, State: UINTAH, UT							
Operator: Enduring Resources, LLC				Location Desc: NWNW-18-12S-24E				District: Northern							

Daily Summary															
Activity Date :		4/9/2006		Days From Spud :		52		Current Depth :		6435 Ft		24 Hr. Footage Made :		708 Ft	
Rig Company :				Ensign				Rig Name:				Ensign 79			
Formation :				Castlegate				Weather:							

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	2.50	02	DRILLING AHEAD F/5727 T/5820 (93' @ 37.2 FT/HR) OB-16K, RPM-110										5727	5820	1
8:30	0.50	10	DEVIATION SURVEY @ 5743' (1.63 DEG)										5820	5820	1
9:00	7.00	02	DRILLING AHEAD F/5820 T/6038 (218' @ 31.1 FT/HR) WOB-15K, RPM-90										5820	6038	1
16:00	0.50	07	LUBRICATE RIG										6038	6038	1
16:30	13.50	02	DRILLING AHEAD F/6038 T/6441 (403' @ 31 FT/HR) WOB-15, RPM-100 NOTE: TD @ 5:45 AT 6435, PLUS 6 FT RATHOLE										6038	6435	1
Total:		24.00													

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5850	10:30	9.30	9.40	42	17	10	5/10/10	8.0	0.0	0	0.00	5.0%	95.0%	0.0%	3.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	9.50	0.50	0.30	0.30	1100	40	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	0.0	70		RIG CHECK @ 5:30 AM MWT-9.6, VIS-42									

Daily Summary															
Activity Date :		4/10/2006		Days From Spud :		53		Current Depth :		6435 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :				Ensign				Rig Name:				Ensign 79			
Formation :				Castlegate				Weather:							

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	1.50	05	CONDITION MUD & CIRCULATE/PUMP PILL										6435	6435	1
7:30	4.00	06	SHORT TRIP 46 STANDS (6' FILL)										6435	6435	1
11:30	2.00	05	CONDITION MUD & CIRC/PUMP PILL - DROP TOTCO										6435	6435	1
13:30	3.00	06	POOH FOR LOGS										6435	6435	1
16:30	1.50	22	PULLED ROTATING RUBBER/FLOW CHECK/PULL BHA										6435	6435	1
18:00	1.00	06	FINISH TOOH- LAY DOWN MONEL, MOTOR AND IBS										6435	6435	1
19:00	4.50	11	WIRELINE LOGGING WITH SCHLUMBERGER										6435	6435	1
23:30	5.50	06	TIH - 20' OF FILL WASH DOWN 2 JOINTS										6435	6435	1
5:00	1.00	05	CONDITION MUD AND CIRCULATE										6435	6435	1
Total:		24.00													

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
6435	9:00	9.40	9.40	45	20	10	6/10/10	8.0	0.0	0	0.00	6.0%	94.0%	0.0%	3.5%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	9.50	0.50	0.20	0.20	1200	40	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	0.0	70		PIT SAMPLE TAKEN DURING SHORT TRIP									

<b>Well Name: HANGING ROCK FED 12-24-11-18</b>									
Field Name:	Utah	S/T/R:	18/12S/24E	County, State:	UINTAH, UT				
Operator:	Enduring Resources, LLC	Location Desc:	NWNW-18-12S-24E	District:	Northern				

Daily Summary							
Activity Date :	4/11/2006	Days From Spud :	54	Current Depth :	6435 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :	Ensign			Rig Name:	Ensign 79		
Formation :	Castlegate			Weather:			

Operations							
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run	
6:00	1.00	05	CONDITION MUD & CIRCULATE BOTTOMS UP	6435	6435	1	
7:00	4.50	06	TOOH/LAYDOWN WITH FRANKS	6435	6435	1	
11:30	3.50	06	PULL ROTATING RUBBER & LAYDOWN BHA	6435	6435	1	
15:00	5.00	12	RUN 4 1/2' CASING WITH FRANKS - TAG BOTTOM AT 6438'	6435	6435	1	
20:00	0.50	22	RIG DOWN CASERS AND LAYDOWN MACHINE	6435	6435	1	
20:30	1.00	05	CIRC BOTTOMS UP	6435	6435	1	
21:30	2.00	12	CEMENTING SAFTY MEETING - CEMENT WITH HALLIBURTON AS FOLLOWS: PUMPED 40 BBLS PREFLUSH/SPACER AHEAD + 27.1 BBLS (40 SX) 11.0# LEAD + 249.8 BBLS (1150 SX) 14.4# TAIL - DISPLACED WITH 99 BBLS H2O - MAINTAINED FULL RETURNS THROUGHOUT DISPLACEMENT- BUMPED PLUG @ 11:10 PM WITH 2300# AND FLOATS HELD.	6435	6435	1	
23:30	3.50	23	NIPPLE DOWN BOPs AND SET SLIPS @ 2:45AM WITH 95,000#	6435	6435	1	
3:00	3.00	01	CLEAN MUD PITS AND RIG DOWN (NOTE: RIG RELEASED AT 0530 AM)	6435	6435	1	
Total:		24.00					

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
0		0.00	0.00	0	0	0	0/0/0	0.0	0.0	0	0.00	0.0%	0.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	0.0	0		MUD TANKS DUMPED IN RESERVE PIT AT 11:45 PM										

Formation					
Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Elec Top	Comments

Casing									
DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
2/18/2006	2134	51	3. Surface	8.625	32	J-55		12.25	2216
Stage: 1, Lead, 0, 220, 16% GEL, 10% GILSONITE, 1/4#/SX FLOWCELE, Class G, 3.82, 11 Stage: 1, Tail, 0, 250, 2% CAQCL2 1/4#/SX FLOWCELE, Class G, 1.15, 15.8 Stage: 1, , 0, 100, 3% CACL2, Class G, 1.15, 15.8 Stage: 1, , 0, 125, 3%CACL2, Class G, 1.15, 15.8									
4/10/2006	6458.68	152	5. Production	4.5	11.6	N-80	0	7.875	6435
Stage: 1, Displacement, 99, 0, H2O, , 0, 0 Stage: 1, Spacer, 40, 0, 10-20-10 H2O SUPERFLUSH, , 0, 0 Stage: 1, Lead, 0, 40, HI FILL W/16% GEL, 1%EX-1, 10# GILSONITE, .25# FLOCELE, .2% HR-7, 3% SALT & 3# GILSAITE, Class G, 3.81, 11 Stage: 1, Tail, 0, 1150, 50/50 POZ WITH 2% GEL, .6% HALAD-322, .2% SUPER CBL, 5% SALT & .25# FLOCELE, Pozmix, 1.22, 14.35									



CONFIDENTIAL

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____  b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-73704</b>
2. NAME OF OPERATOR: <b>Enduring Resources, LLC</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>
3. ADDRESS OF OPERATOR: <b>475 17th St, Suite 1500 CITY Denver STATE CO ZIP 80202</b>		7. UNIT or CA AGREEMENT NAME <b>N/A</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>855' FNL - 703' FWL</b>  AT TOP PRODUCING INTERVAL REPORTED BELOW: <b>same as above</b>  AT TOTAL DEPTH: <b>same as above</b>		8. WELL NAME and NUMBER: <b>Hanging Rock 12-24-11-18</b>
10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>		9. API NUMBER: <b>4304736111</b>
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 18 12S 24E</b>		12. COUNTY <b>Uintah</b>
13. STATE <b>UTAH</b>		

14. DATE SPURRED: <b>4/4/2006</b>	15. DATE T.D. REACHED: <b>4/8/2006</b>	16. DATE COMPLETED: <b>5/12/2007</b>	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): <b>6091 RKB</b>
18. TOTAL DEPTH: MD <b>6,535</b> TVD	19. PLUG BACK T.D.: MD <b>6,416</b> TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? * <b>6</b>		21. DEPTH BRIDGE MD <b>5,890</b> PLUG SET: TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  <b>Previously submitted.</b>			23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14"	line pipe	0	40		3 yards		0 (CIR)	0
12 1/4"	8 5/8 J55	32#	16	2,134		CI G 225	247	16 (CIR)	0
7-7/8"	4 1/2 N80	11.6#	16	6,435		CI G 1140	277	1550 (CBL)	0

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	5,189							

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Mesaverde	4,066	5,818			4,066 5,818	1'slot	5	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Wasatch	2,890	2,891			2,890 2,891	1'slot	1	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**27. PERFORATION RECORD**

**28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4066' - 5818'	Placed 163,906 lbs Ottawa 20/40 proppant in Mesaverde formation
2890' - 2891'	Placed 50,198 lbs Ottawa 20/40 proppant in Wasatch formation

**29. ENCLOSED ATTACHMENTS:**

- |   |  |                                       |   |
|---|--|---------------------------------------|---|
| <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS                         | <input type="checkbox"/> GEOLOGIC REPORT | <input type="checkbox"/> DST REPORT   | <input type="checkbox"/> DIRECTIONAL SURVEY |
| <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION | <input type="checkbox"/> CORE ANALYSIS   | <input type="checkbox"/> OTHER: _____ |   |

**30. WELL STATUS:**

**Producing**

## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 5/12/2007		TEST DATE: 5/12/2007		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 12	WATER – BBL: 0	PROD. METHOD: Flowing
CHOKE SIZE: 64/64	TBG. PRESS. 250	CSG. PRESS. 250	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 12	WATER – BBL: 0	INTERVAL STATUS: Producing

## INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	170
				Wasatch	2,390
				Mesaverde	3,930

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Kevin Lee

TITLE Engineering Tech

SIGNATURE

DATE 5/29/2007

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

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JUN 01 2007

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73704
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 475 17th Street, Ste 1500 CITY Denver STATE Co ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
PHONE NUMBER: (303) 350-5114		8. WELL NAME and NUMBER: Hanging Rock 12-24-11-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 855' FNL - 703' FWL S.L.B. & M. COUNTY: Uintah		9. API NUMBER: 4304736111
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 12S 24E S STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Wildcat

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/9/2007	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Pit Closed and Reseeded
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

11-9-2007 Pit has been backfilled and reseeded.

NAME (PLEASE PRINT) Alvin R. (Al) Arlian	TITLE Landman - Regulatory Specialist
SIGNATURE 	DATE 11/9/2007

(This space for State use only)

NOV 14 2007

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73704
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 475 17th Street, Ste 1500 CITY Denver STATE Co ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
PHONE NUMBER: (303) 350-5114		8. WELL NAME and NUMBER: Hanging Rock 12-24-11-18
10. FIELD AND POOL, OR WILDCAT: Wildcat		

4. LOCATION OF WELL FOOTAGES AT SURFACE: 855' FNL - 703' FWL S.L.B. & M. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 18 12S 24E S	COUNTY: Uintah STATE: UTAH
---	-------------------------------

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Commingling</u> <u>Confirmation</u>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 9/30/2008			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Notice of first gas sales on May 12, 2007.

Confirmation that well was commingled in the Wasatch and Mesaverde formations "pools" in the initial completion attempt.

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE <u>[Signature]</u>	DATE <u>9/30/2008</u>

(This space for State use only)

RECEIVED

OCT 06 2008

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-73704																														
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>																														
<b>2. NAME OF OPERATOR:</b> Enduring Resources, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b>																														
<b>3. ADDRESS OF OPERATOR:</b> 511-16th Street, Suite 700 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> HANGING ROCK 12-24-11-18																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0855 FNL 0703 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 18 Township: 12.0S Range: 24.0E Meridian: S		<b>9. API NUMBER:</b> 43047361110000																														
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<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/5/2016  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input checked="" type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  P&A procedure attached. <div style="text-align: right; margin-top: 20px;"> <b>Accepted by the          Utah Division of          Oil, Gas and Mining</b>   <b>Date:</b> June 13, 2016  <b>By:</b> </div>																																
<b>NAME (PLEASE PRINT)</b> Travis Whitham		<b>PHONE NUMBER</b> 303 350-5716																														
<b>SIGNATURE</b> N/A		<b>TITLE</b> Landman																														
<b>DATE</b> 6/8/2016																																



## Recommended Procedure

## Plug and Abandonment

<b>Operator:</b>	Enduring Resources, LLC		
<b>Well name:</b>	Hanging Rock #11-24-11-18		
<b>Legal:</b>	NWNW, Section 18, Township 12 South, Range 24 East		
<b>Location:</b>	Uintah County, Utah		
<b>GPS:</b>	39.77983, -109.27976		
<b>API:</b>	43-047-36111		
<b>Surface:</b>	8-5/8" 32# at 2,134'	<b>Hole size:</b> 12-1/4"	<b>TOC:</b> Surface
<b>Production:</b>	4-1/2" 11.6# at 6,435'	<b>Hole size:</b> 7-7/8"	<b>TOC:</b> 1,970' (CBL)
<b>Tubing:</b>	2-3/8" 4.7# at 3,850' (Tubing anchor at 3,509')		
<b>Perforations:</b>	2,890' (Wasatch); 4,066', 4,125', 5,262', 5,320', & 5,718' (Mesaverde)		
<b>PBTD:</b>	5,882' (Existing CIBP)		
<b>TD:</b>	6,435'		

**\*Procedure based off of completion reports and well history, this is NOT a final procedure\***

1. Conduct pre-job safety meeting and complete daily JSA
2. Prior to MIRU, check rig anchors and blow down well/kill if necessary
3. Dig out around wellhead and check surface annulus for pressure  
(If present call Tommy Joyce #817-933-9759 and Craig Owen #970-646-3933 for orders)
4. MIRU P&A equipment, NDWH, NUBOP, Load and circulate wellbore clean
5. TOH and tally 4,016' of tubing to derrick, LD remaining tubing and BHA
6. PU 4-1/2" 11.6# casing scraper/bumper sub, TIH to 4,016', TOH, LD BHA
7. PU 4-1/2" 11.6#, 10K, CIBP, TIH and set at 4,016' (50' above topmost Mesaverde perfs)
8. Pump 10 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement on top of CIBP  
(10 sxs is 131' in 4-1/2", TOC: 3,885')
9. TOH and LD to 3,700', Reverse circulate tubing clean,
10. Pump 14 bbl. of water treated with corrosion inhibitor
11. TOH, Stand back 2,840'
12. PU 4-1/2" 11.6#, 10K, CIBP, TIH and set at 2,840' (50' above topmost Wasatch perfs)
13. Pump 10 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement on top of CIBP  
(10 sxs is 131' in 4-1/2", TOC: 2,709')
14. TOH and LD to 2,600', Reverse circulate tubing clean, Pressure test casing to 500 psi for 5 minutes  
(If test fails call Tommy Joyce and Craig Owen for orders)

Note: If casing pressure test fails (step 14) additional steps/services required by the Utah DOGM/BLM are not included in this bid and will be billed per our 2016 Time and Material Price Schedule.

15. Circulate 41 bbl. of water treated with corrosion inhibitor
16. TOH and LD to 2,234' (100' below surface casing shoe), Establish circulation to surface
17. Pump 15 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement to cover surface casing shoe  
(15 sxs is 197' in 4-1/2", TOC: 2,037')
18. TOH to 1,800', Reverse circulate tubing clean, WOC 4 hours, TIH and tag TOC at 2,084' or higher
19. TOH and LD to 100', Establish circulation to surface
20. Circulate 8 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement to surface
21. TOH and LD tubing, Dig out and cut off wellhead 6' below restored ground level
22. TIH 100' in 4-1/2" x 8-5/8" with 1" tubing, Establish circulation to surface
23. Circulate 21 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement to surface
24. TOH and LD tubing, RDMO, Top off if necessary
25. Weld on info plate, backfill, clean location, P&A complete

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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/8/2016	<input type="checkbox"/> ALTER CASING	
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Plugging report attached. Well waiting on reclamation and re-seeding planned this fall.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> August 09, 2016		
<b>NAME (PLEASE PRINT)</b> Travis Whitham	<b>PHONE NUMBER</b> 303 350-5716	<b>TITLE</b> Landman
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/9/2016	

Enduring Resources  
Chronological Plugging Report  
Hanging Rock 12-24-11-18

8/6/16

JSA. MIRU Magna #34. Hook up pump and lines. Circ fresh water to kill well., TOOH 165 jts tbg total. LD 37 jts tbg.. RIH w/bit and scraper on 128 jts tbg to 4023'. SWIFN.

8/7/16

JSA. TOOH w/bit and scraper. PU 4.5" CIBP and TIH on 128 jts tbg and set @4020'. Roll hole w/60 bbls corrosion treated water. Spot 10 sks cement on top of CIBP as follows. 1 bbl fresh, 10 sks cement, 1 bbl fresh and 13 bbls dispo. TOC 3890'. LD 38 jts tbg. TOOH. PU 4.5" CIBP and TIH on 90 jts tbg and set @2830'. Pressure test csg to 500 psi. Good. Spot 10 sks cement on CIBP as follows. 1 bbl fresh, 10 sks cement, 1 bbl fresh and 8 bbls displ. LD 19 jts tbg. EOT 2232. Spot 15 sks balanced plug across surface csg shoe as follows. 1 bbl fresh, 15 sks cement, 1 bbl fresh and 5.5 bbls displ. Cement from 2232 to 2032'. LD 67 jts tbg. EOT 120'. Circ 17 sks cement to surface. LD 4 jts tbg. Cement and plugs witnessed by Brenden Huber, BLM. Will dig out and cut off in AM.

8/8/16

JSA. Dig out and cut off WH. Run 1" down 8 5/8" annulus. Cement @26'. Fill csg strings to surface. Weld on information plate., Back fill hole. P and A complete.